

Product Datasheet

ZC3H15 Antibody - BSA Free

NBP1-81312

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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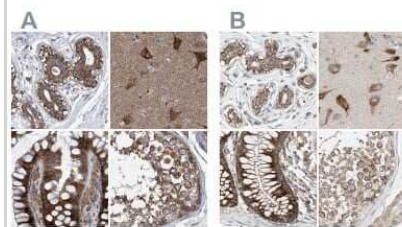
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit ZC3H15 Antibody - BSA Free (NBP1-81312) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ZC3H15 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	55854
Gene Symbol	ZC3H15
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: IVCKHFLEAIENNKYGWFWVCPGGGDICMYRHALPPGFVLKKDKKKEEKEDEIS LEDLIERERSALGPNVTKITL

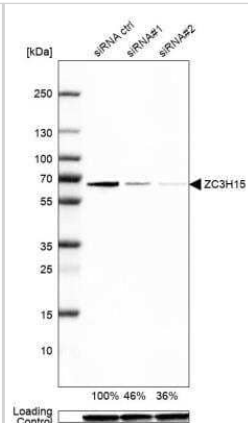
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

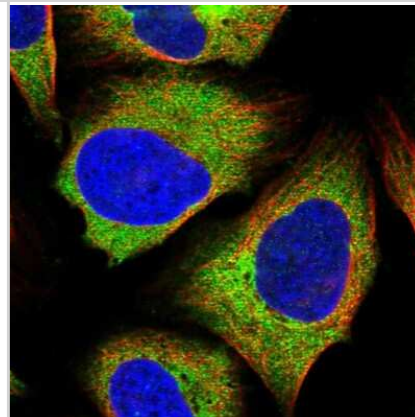
Immunohistochemistry-Paraffin: ZC3H15 Antibody [NBP1-81312] - Staining of human breast, cerebral cortex, colon and testis using Anti-ZC3H15 antibody NBP1-81312 (A) shows similar protein distribution across tissues to independent antibody NBP1-81314 (B).



Western Blot: ZC3H15 Antibody [NBP1-81312] - Analysis in Caco-2 cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



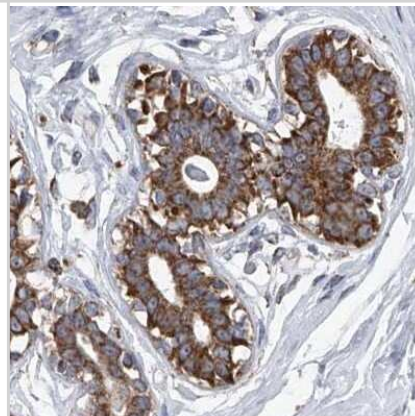
Immunocytochemistry/Immunofluorescence: ZC3H15 Antibody [NBP1-81312] - Immunofluorescent staining of human cell line U-2 OS shows localization to cytosol.



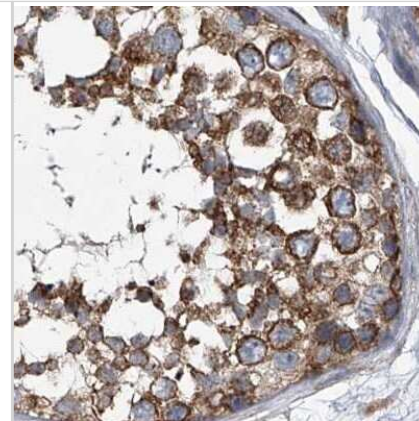
Immunohistochemistry-Paraffin: ZC3H15 Antibody [NBP1-81312] - Staining of human colon.



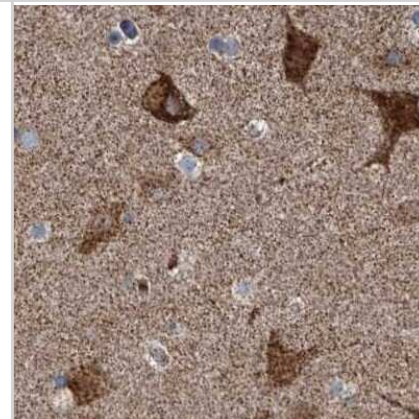
Immunohistochemistry-Paraffin: ZC3H15 Antibody [NBP1-81312] - Staining of human breast.



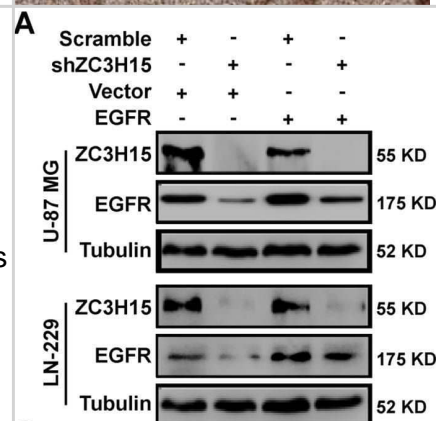
Immunohistochemistry-Paraffin: ZC3H15 Antibody [NBP1-81312] - Staining of human testis.



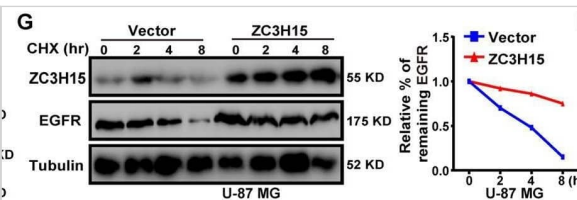
Immunohistochemistry-Paraffin: ZC3H15 Antibody [NBP1-81312] - Staining of human cerebral cortex.



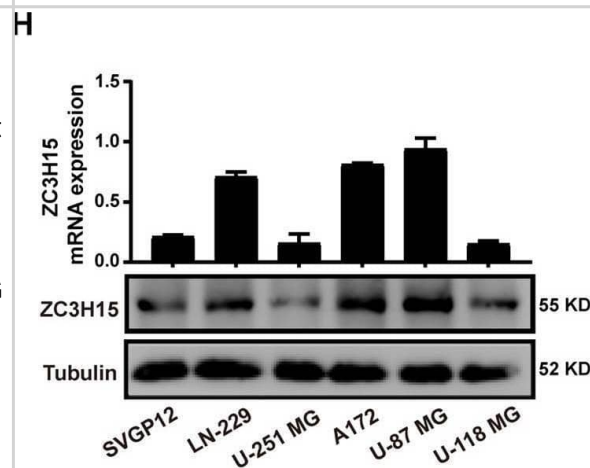
EGFR overexpression significantly restored cell proliferation, migration, and invasion of ZC3H15-knockdown GBM cells. A The protein level of ZC3H15 and EGFR were detected in the indicated GBM cells. B MTT assays were performed to examine the effect of EGFR overexpression on the cell proliferation of ZC3H15-knockdown GBM cells. C, D Transwell assays were used to detect the effects of EGFR overexpression on cell migration and invasion of ZC3H15-knockdown GBM cells. All data were expressed as mean \pm SD. Student's t test was performed to analyzed significance. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35027542>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



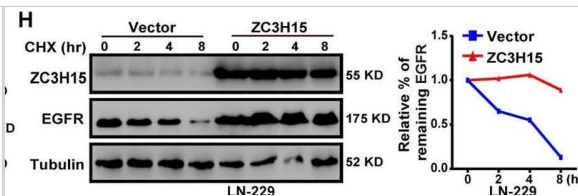
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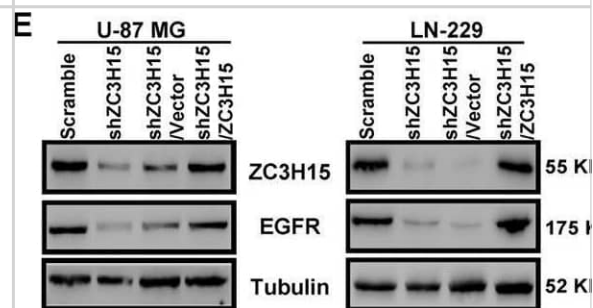
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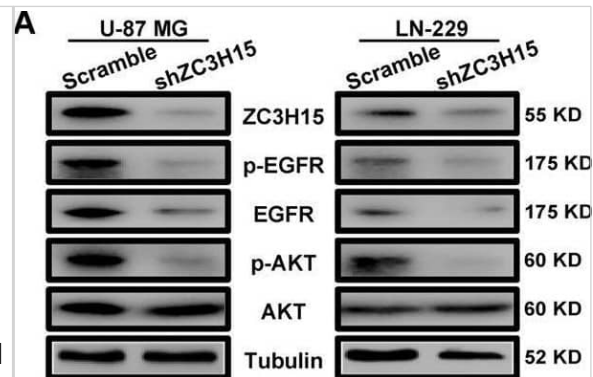
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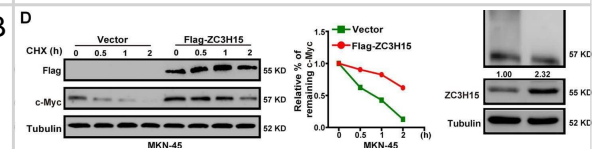
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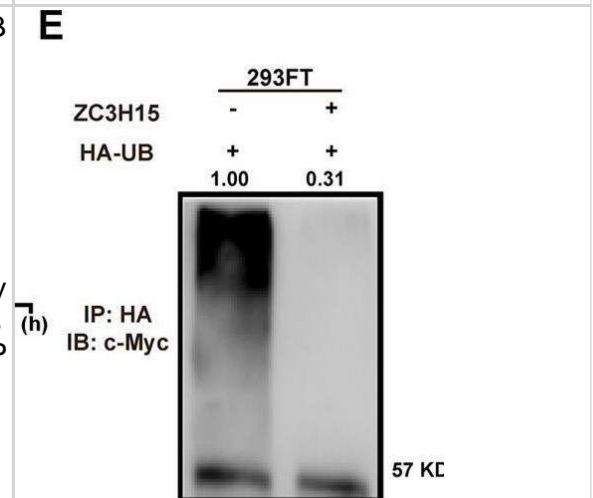
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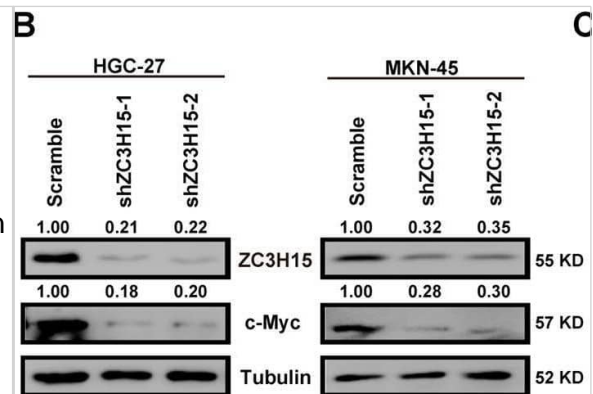
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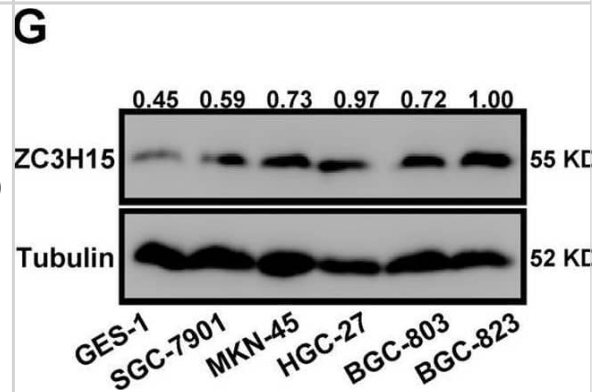
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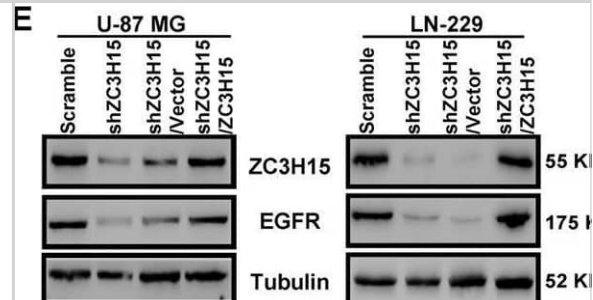
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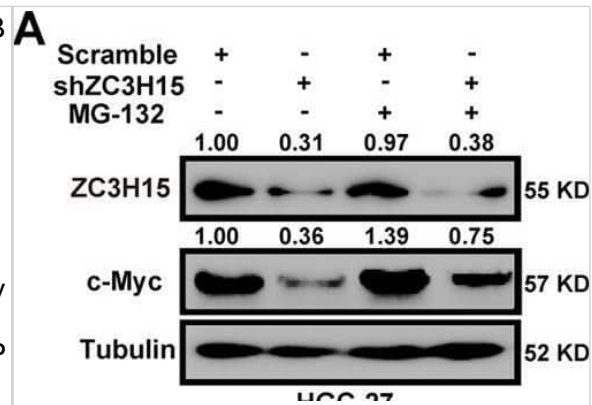
ZC3H15 was upregulated in GC and high expression of ZC3H15 was correlated with poor patient prognosis. A Up-regulation of ZC3H15 was found in 8 of 20 cancer types. B, C The level of ZC3H15 mRNA was significantly increased from normal stomach tissues to gastric cancer tissues in DErrico and Cho dataset and P-values were indicated. D, E Kaplan–Meier analysis of overall survival using data from the GSE14210 and GSE15459 database and P-values were indicated. F Immunohistochemical analyses of ZC3H15 expression in eight paired samples of gastric cancer and normal stomach tissue, P < 0.001. The data were expressed as mean \pm SD. Student's t-test was performed to analyze significance. G Western blot analyses were used to examine ZC3H15 expression in GES-1 cells and gastric cancer cell lines. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35064102>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



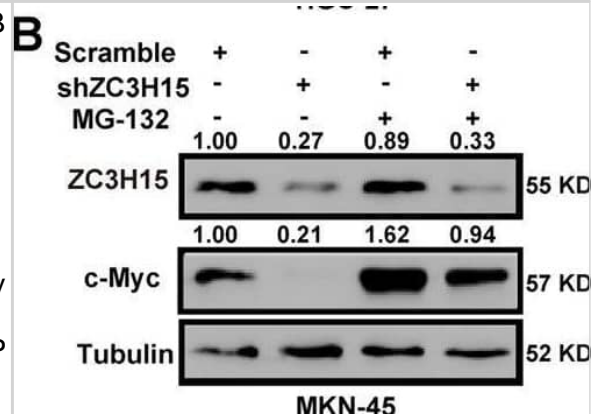
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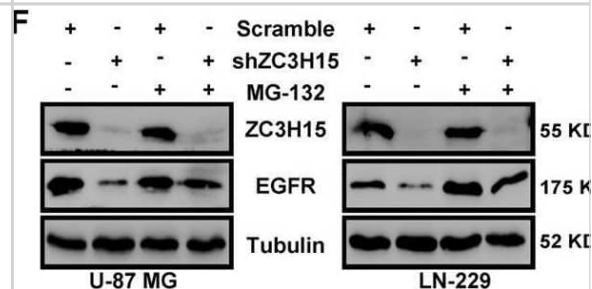
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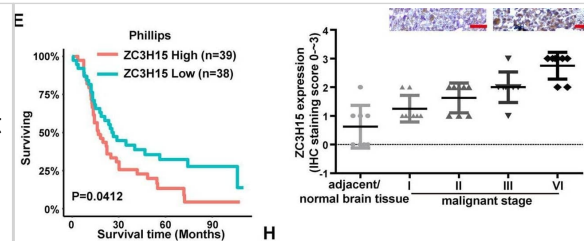
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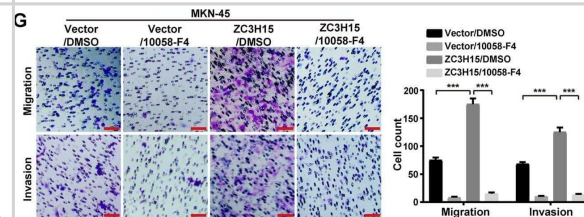
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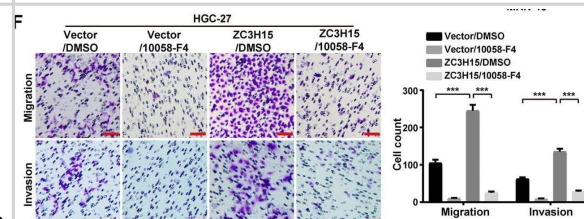
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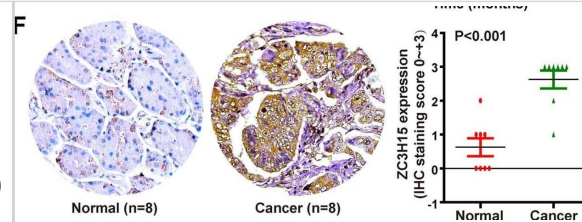
ZC3H15 promoted GC progression by increasing c-Myc expression. A GSEA enrichment plots of c-Myc target genes in high ZC3H15 expression versus low ZC3H15 expression TCGA GCs. Normalized enrichment score (NES), false discovery rate (FDR), and P-values were shown in the plot. B, C ZC3H15 modulated the protein and mRNA expression of c-Myc in HGC-27 and MKN-45 cells. D, E MTT assays were performed to examine the inhibitory effect of 10058-F4 (100 μ M) on the cell proliferation of ZC3H15-overexpression HGC-27 and MKN-45 cells. F, G Transwell assays were performed to examine the inhibitory effect of 10058-F4 (100 μ M) on the cell migration and invasion of ZC3H15-overexpression HGC-27 and MKN-45 cells. All data were expressed as mean \pm SD. Student's t-test was performed to analyzed significance, * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35064102>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



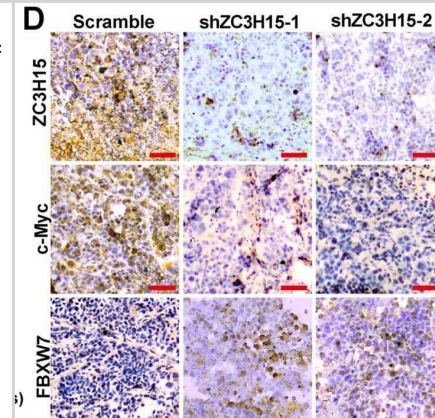
ZC3H15 promoted GC progression by increasing c-Myc expression. A GSEA enrichment plots of c-Myc target genes in high ZC3H15 expression versus low ZC3H15 expression TCGA GCs. Normalized enrichment score (NES), false discovery rate (FDR), and P-values were shown in the plot. B, C ZC3H15 modulated the protein and mRNA expression of c-Myc in HGC-27 and MKN-45 cells. D, E MTT assays were performed to examine the inhibitory effect of 10058-F4 (100 μ M) on the cell proliferation of ZC3H15-overexpression HGC-27 and MKN-45 cells. F, G Transwell assays were performed to examine the inhibitory effect of 10058-F4 (100 μ M) on the cell migration and invasion of ZC3H15-overexpression HGC-27 and MKN-45 cells. All data were expressed as mean \pm SD. Student's t-test was performed to analyzed significance, * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35064102>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



ZC3H15 was upregulated in GC and high expression of ZC3H15 was correlated with poor patient prognosis. A Up-regulation of ZC3H15 was found in 8 of 20 cancer types. B, C The level of ZC3H15 mRNA was significantly increased from normal stomach tissues to gastric cancer tissues in DErrico and Cho dataset and P-values were indicated. D, E Kaplan–Meier analysis of overall survival using data from the GSE14210 and GSE15459 database and P-values were indicated. F Immunohistochemical analyses of ZC3H15 expression in eight paired samples of gastric cancer and normal stomach tissue, $P < 0.001$. The data were expressed as mean \pm SD. Student's t-test was performed to analyze significance. G Western blot analyses were used to examine ZC3H15 expression in GES-1 cells and gastric cancer cell lines. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35064102>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



ZC3H15 promoted the colony formation and tumor growth of GC cells. A Soft agar assays were performed to detect the colony formation ability of GC cells. B, C Xenograft assays were performed in ZC3H15-knockdown HGC-27 cells. The weight and volumes of tumors were analyzed and P-values were indicated. D Immunohistochemical staining assays were performed to detect the expression of ZC3H15, c-Myc, and FBXW7 in ZC3H15-knockdown tumor tissues and control tissues. All data were expressed as mean \pm SD. Student's t-test was performed to analyzed significance, * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35064102>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

J Hou, M Xu, H Gu, D Pei, Y Liu, P Huang, H Chang, H Cui ZC3H15 promotes glioblastoma progression through regulating EGFR stability Cell Death & Disease, 2022-01-13;13(1):55. 2022-01-13 [PMID: 35027542]

Hou J, Huang P, Lan C et al. ZC3H15 promotes gastric cancer progression by targeting the FBXW7/c-Myc pathway Cell death discovery 2022-01-21 [PMID: 35064102] (WB, IF/IHC, Human)



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