

Product Datasheet

USP43 Antibody - BSA Free

NBP2-88562

Unit Size: 100 ul

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

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NBP2-88562

USP43 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Purity	Affinity purified
Buffer	PBS, 2% Sucrose

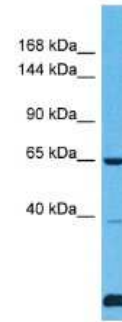
Product Description	
Description	Novus Biologicals Rabbit USP43 Antibody - BSA Free (NBP2-88562) is a polyclonal antibody validated for use in IHC and WB. Anti-USP43 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	124739
Gene Symbol	USP43
Species	Human
Immunogen	The immunogen is a synthetic peptide directed towards the C-terminal region of Human USP43. Peptide sequence: KSSPPSPYMGFSGNSKDSRRGTSELDRPLQGTLLRSVFRKKENRRNER The peptide sequence for this immunogen was taken from within the described region.

Product Application Details	
Applications	Western Blot, Immunohistochemistry
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry
Application Notes	Use in IHC reported in scientific literature (PMID:33391437)

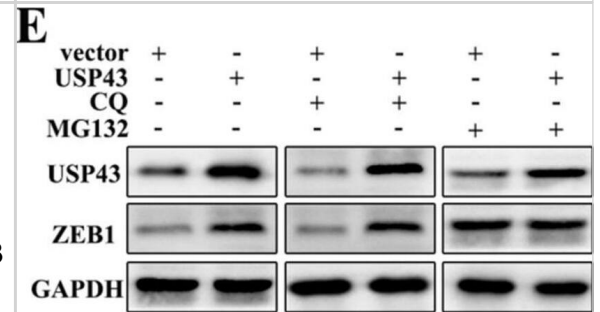


Images

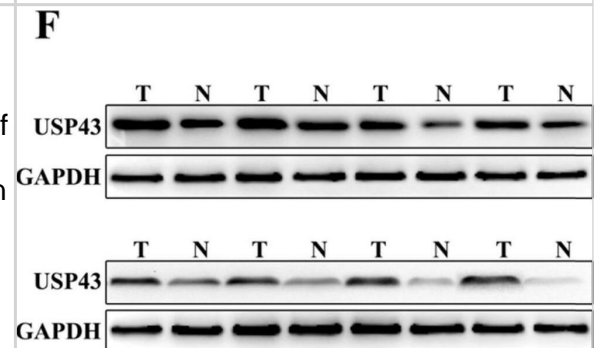
Western Blot: USP43 Antibody [NBP2-88562] - Host: Rabbit. Target Name: USP43. Sample Type: Fetal Lung lysates. Antibody Dilution: 1.0ug/ml



USP43 regulates ZEB1 expression through ubiquitination. A. Verifying the correlation between USP43 and ZEB1 mRNA in 50 colon cancer specimens. B. The correlation between USP43 and ZEB1 protein expression was calculated in 50 pairs of colon cancer specimens. C-D. Western blot and qRT-PCR analysis the relationships between USP43 and ZEB1. E. ZEB1 protein expression analysis with CQ and MG132 treatments. F. Co-precipitation analysis of USP43 and ZEB1 protein in SW480 cell. G. co-localization of immunofluorescence analysis of USP43 and ZEB1 in SW480 and DLD1 cell. H. Co-precipitation of USP43 and ZEB1 in the 293T cell. I. Ubiquitination testing of USP43 in DLD1 cell line. J. Ubiquitination testing of USP43 in SW480 cell line. K-L. Cycloheximide (protein degradation rate) analysis shows that USP43 can inhibit ZEB1 protein degradation. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/33391437>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Detection of USP43 expression in colorectal cancer. A. The expression level of USP43 was verified in GEPIA database (<http://gepia.cancer-pku.cn/>). B. qRT-PCR analysis of USP43 expression level in colorectal cancer tissues and normal tissues. C. The sample distribution analysis of the high expression in tumor tissue and high expression in adjacent tissues among 50 pairs of specimens. D. Detection of USP43 expression levels in colorectal cancer tissues and normal tissues with IHC. E. IHC score statistics of the USP43 expression levels in 50 colorectal cancer tissues and normal tissues. F. Western blot analysis of the USP43 expression level in colorectal cancer tissues and normal tissues. * $P < 0.05$, *** $P < 0.001$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/33391437>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Ye DX, Wang SS, Huang Y, et al. USP43 directly regulates ZEB1 protein, mediating proliferation and metastasis of colorectal cancer Journal of Cancer 2021-01-01 [PMID: 33391437] (WB, IF/IHC, Human)



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Products Related to NBP2-88562

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP3-25221PEP	USP43 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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