

Product Datasheet

ASCL4 Antibody - BSA Free NBP2-92741-0.1ml

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-92741-0.1ml

ASCL4 Antibody - BSA Free

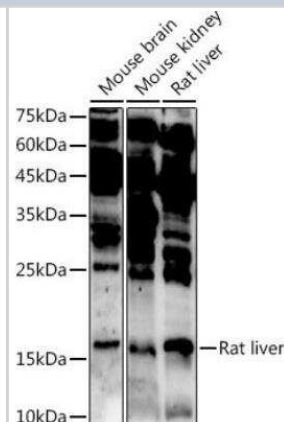
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol
Target Molecular Weight	19 kDa

Product Description	
Description	Novus Biologicals Rabbit ASCL4 Antibody - BSA Free (NBP2-92741) is a polyclonal antibody validated for use in IHC, WB and ELISA. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	121549
Gene Symbol	ASCL4
Species	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-70 of human ASCL4 (NP_982260.3). METRKPAERLALPYSLRTAPLGVPGTLPGLPRRDPLRVALRLDAACWEWARS GCARGWQYLPVPLDSAFE

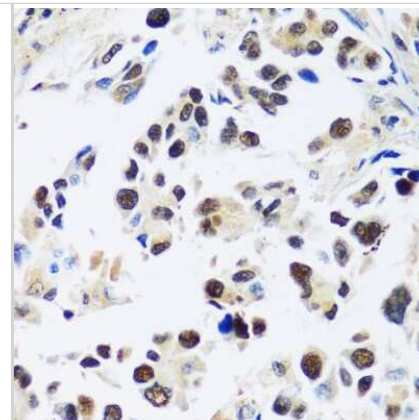
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500 - 1:1000, ELISA Recommended starting concentration is 1 µg/mL, Immunohistochemistry 1:50-1:100, Immunohistochemistry-Paraffin

Images

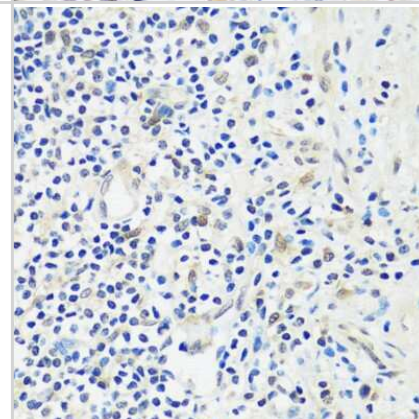
Western Blot: ASCL4 Antibody [NBP2-92741] - Analysis of extracts of various cell lines, using ASCL4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 180s.



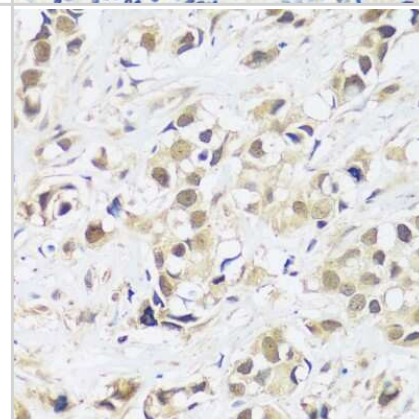
Immunohistochemistry-Paraffin: ASCL4 Antibody [NBP2-92741] - Human lung cancer using ASCL4 antibody at dilution of 1:100 (40x lens)..



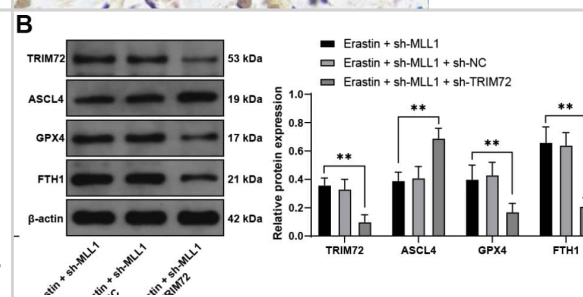
Immunohistochemistry-Paraffin: ASCL4 Antibody [NBP2-92741] - Human appendix using ASCL4 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry-Paraffin: ASCL4 Antibody [NBP2-92741] - Human breast cancer using ASCL4 antibody at dilution of 1:100 (40x lens).

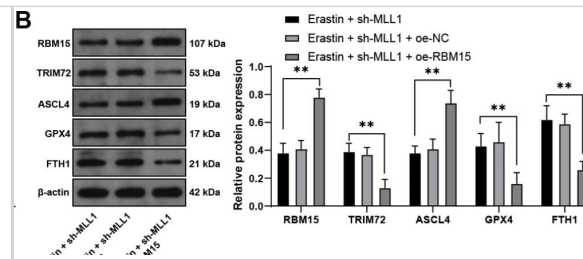


Inhibition of TRIM72 partially reverses the inhibitory effect of MLL1 inhibition on ferroptosis of HTR-8/SVneo cells. HTR-8/SVneo cells were transfected with sh-TRIM72, with sh-NC as the control. A: Detection of transfection efficiency by qRT-PCR; then HTR-8/SVneo cells were treated with sh-MLL1 for a combined experiment. B: Detection of TRIM72, ASCL4, GPX4, and FTH1 expressions in cells by Western blot. C: Detection of cell viability by CCK-8 assay. D-F: Detection of MDA, Fe²⁺, and GSH levels in cells by kits. G: Detection of ROS levels in cells by fluorescence. H: Detection of cell invasion and migration by Transwell. The cell experiments were repeated three times independently. Data in panel A were analyzed by t test. Data in panels CDEFGH were analyzed by one-way ANOVA, and data in panel B were analyzed by two-way ANOVA, followed by Tukey's multiple comparisons test. *P < 0.05, **P < 0.01 Image collected and cropped by CiteAb from the following open publication (<https://biologydirect.biomedcentral.com/articles/10.1186/s13062-024-00572-0>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



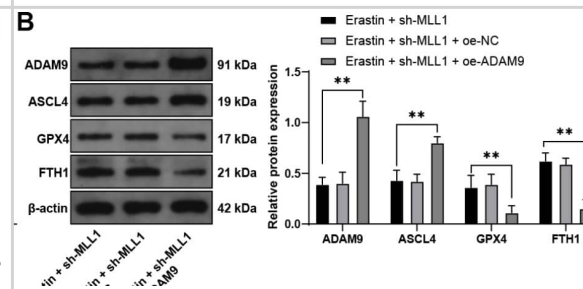
Overexpression of RBM15 partially reverses the inhibitory effect of MLL1 inhibition on ferroptosis of HTR-8/SVneo cells. HTR-8/SVneo cells were transfected with oe-RBM15, with oe-NC as the control. A: Detection of transfection efficiency by qRT-PCR; then HTR-8/SVneo cells were treated with sh-MLL1 for a combined experiment. B: Detection of RBM15, TRIM72, ASCL4, GPX4, and FTH1 in cells by Western blot. C: Detection of cell viability by CCK-8 assay. D-F: Detection of MDA, Fe²⁺, and GSH levels in cells by kits. G: Detection of ROS levels in cells by fluorescence. H: Detection of cell invasion and migration by Transwell. The cell experiments were repeated three times independently. Data in panel A were analyzed by t test. Data in panels CDEFGH were analyzed by one-way ANOVA, and data in panel B were analyzed by two-way ANOVA, followed by Tukey's multiple comparisons test. *P < 0.05, **P < 0.01 Image collected and cropped by CiteAb from the following open publication

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Overexpression of ADAM9 partially reverses the inhibitory effect of MLL1 inhibition on ferroptosis of HTR-8/SVneo cells. HTR-8/SVneo cells were transfected with oe-ADAM9, with oe-NC as the control. A: Detection of transfection efficiency by qRT-PCR; then HTR-8/SVneo cells were treated with sh-MLL1 for a combined experiment. B: Detection of ADAM9, ASCL4, GPX4, and FTH1 expressions in cells by Western blot. C: Detection of cell viability by CCK-8 assay. D-F: Detection of MDA, Fe²⁺, and GSH levels in cells by kits. G: Detection of ROS levels in cells by fluorescence. H: Detection of cell invasion and migration by Transwell. The cell experiments were repeated three times independently. Data in panel A were analyzed by t test. Data in panels CDEFGH were analyzed by one-way ANOVA, and data in panel B were analyzed by two-way ANOVA, followed by Tukey's multiple comparisons test. *P < 0.05, **P < 0.01 Image collected and cropped by CiteAb from the following open publication

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Products Related to NBP2-92741-0.1ml

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]
NBP2-24891	Rabbit IgG Isotype Control

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