

Product Datasheet

RNF182 Antibody - BSA Free NBP1-82707

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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Updated 2/12/2026 v.20.1

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NBP1-82707

RNF182 Antibody - BSA Free

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

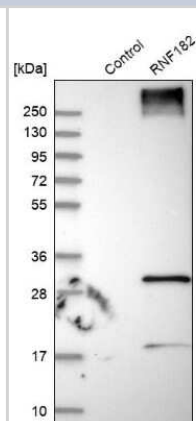
Product Description	
Description	Novus Biologicals Rabbit RNF182 Antibody - BSA Free (NBP1-82707) is a polyclonal antibody validated for use in IHC and WB. Anti-RNF182 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	221687
Gene Symbol	RNF182
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:35458235).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VLECCHRVC AKCLYKIIDFGDSPQGVIVCPFCRFETCLPDDEVSSLPDDNNILVN LTCGGKGGKCLPENPTELLLPKRLASLVSPSHTSSNCLVITIMEVQRESSPSLS STPVVEFYRPASFDSVTTVSHNWTVWNCTSL

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1:50 - 1:200, Knockdown Validated Reported in scientific literature (PMID:35458235)
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended..

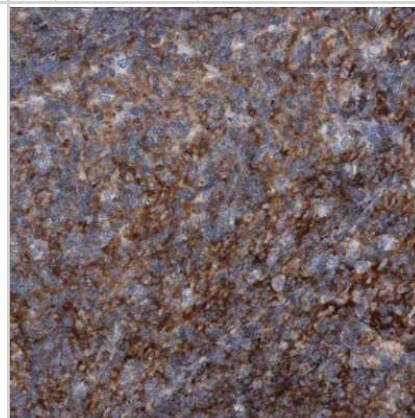


Images

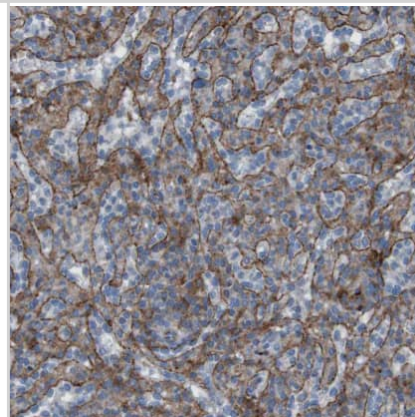
Western Blot: RNF182 Antibody [NBP1-82707] - Analysis in control (vector only transfected HEK293T lysate) and RNF182 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



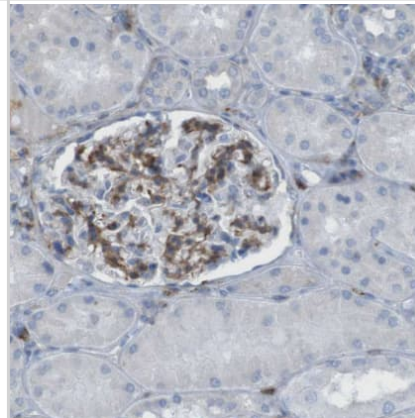
Immunohistochemistry-Paraffin: RNF182 Antibody [NBP1-82707] - Staining of human lymph node shows strong cytoplasmic positivity in lymphoid cells outside reaction centra.



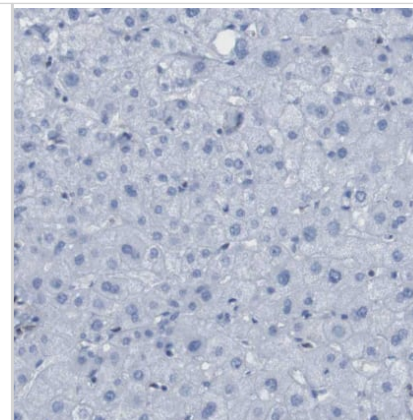
Immunohistochemistry-Paraffin: RNF182 Antibody [NBP1-82707] - Staining of human spleen shows moderate membranous positivity in cells in white pulp.



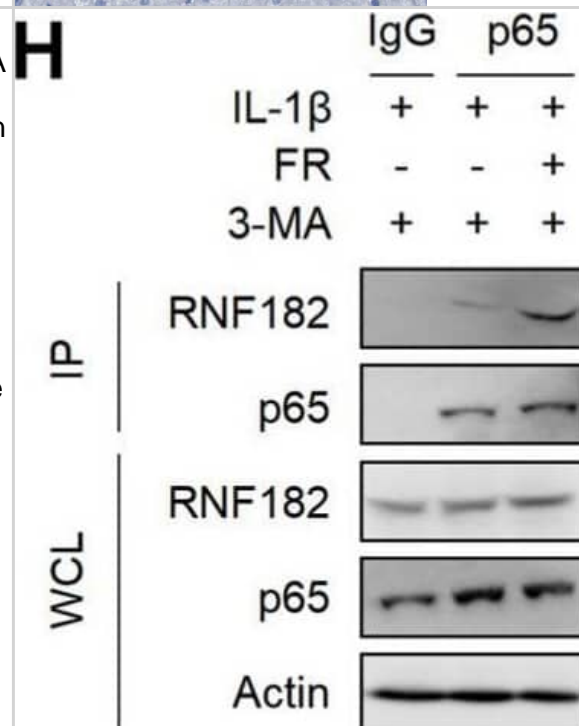
Immunohistochemistry-Paraffin: RNF182 Antibody [NBP1-82707] - Staining of human kidney shows moderate membranous positivity in cells in glomeruli.



Immunohistochemistry-Paraffin: RNF182 Antibody [NBP1-82707] - Staining of human liver shows no positivity in hepatocytes as expected.



FR promotes the K48-linked ubiquitination of p65 by recruiting the E3 ubiquitin enzyme RNF182. Tenocytes were silenced with RNF182 siRNA (A), ING4 siRNA (B), or PPAR γ siRNA (C) for 24 h and then treated with IL-1 β (10 ng/mL) and FR (40 μ M) for 24 h. Finally, the protein expression of p65 was detected by WB. (D) HEK293T cells were treated with RNF182 siRNA for 24 h, then transfected with HA-K48-Ub and Flag-p65 plasmids for 12 h, and next stimulated with 3-MA (5 mM) for 6 h, and finally treated with FR (40 μ M) for 8 h. Cell lysates were collected for IP and WB detection. (E) Tenocytes were transfected with RNF182 siRNA for 24 h, then treated with 3-MA (5 mM) for 6 h, and finally treated with IL-1 β (10 ng/mL) and FR (40 μ M) for 24 h. Cell proteins were collected for IP. The expressions of p65 and K48-Ub in IP and WCL samples were detected by WB. (F) Flag-p65 and GFP-RNF182 plasmids were transfected into HEK293T cells for 24 h and then treated with FR (40 μ M) for 8 h. Finally, WB was used to detect the protein of the Flag tag and GFP tag. (G) HEK293T cells were transfected with Flag-p65 and GFP-RNF182 plasmids for 24 h, then 3-MA (5 mM) was added for 6 h and then treated with FR (40 μ M) for another 8 h. Finally, cell proteins were collected for IP, and proteins with Flag and GFP labels were detected by WB. (H) Tenocytes were pretreated with 3-MA (5 mM) for 6 h, followed by the addition of IL-1 β (10 ng/mL) and FR (40 μ M) for 24 h. Cell proteins were collected for IP. WB detected the protein expressions of p65 and RNF182 in IP and WCL samples. Data are expressed as the means \pm SD from three independent experiments. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35458235>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Jiang H, Lin X, Liang W et al. Friedelin Alleviates the Pathogenesis of Collagenase-Induced Tendinopathy in Mice by Promoting the Selective Autophagic Degradation of p65 Nutrients 2022-04-18 [PMID: 35458235] (KD, WB, Mouse)



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Products Related to NBP1-82707

NBP1-82707PEP	RNF182 Recombinant Protein Antigen
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

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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