

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.

www.novusbio.com



technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-82707

Updated 3/4/2026 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP1-82707



NBP1-82707

RNF182 Antibody - BSA Free

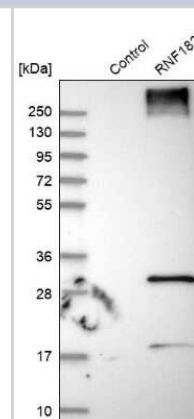
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
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: VLECCHRVCAKCLYKIIDFGDSPQGIVVCPFCRFETCLPDDEVSSLPDDNNILVN LTCGGKGGKCLPENPTELLLTPKRLASLVSPSHTSSNCLVITIMEVQRESSPSLS STPVVEFYRPASFDSVTTVSHNWTVWNCTSL

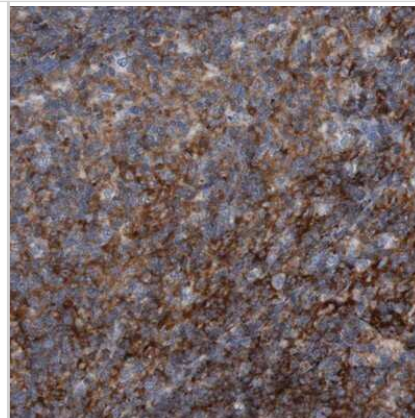
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1:50 - 1:200, Knockdown Validated Reported in scientific literature (PMID:35458235)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

Images

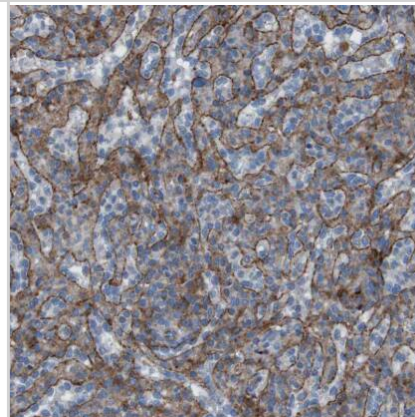
Western Blot: RNF182 Antibody [NBP1-82707] - Analysis in control (vector only transfected HEK293T lysate) and RNF182 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



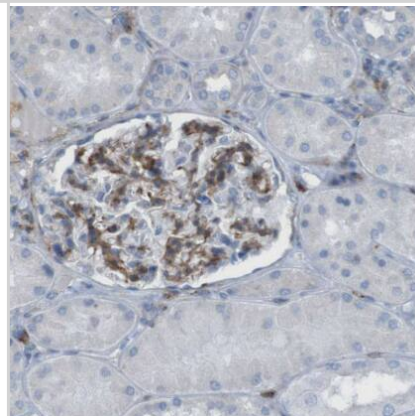
Immunohistochemistry-Paraffin: RNF182 Antibody [NBP1-82707] - Staining of human lymph node shows strong cytoplasmic positivity in lymphoid cells outside reaction centra.



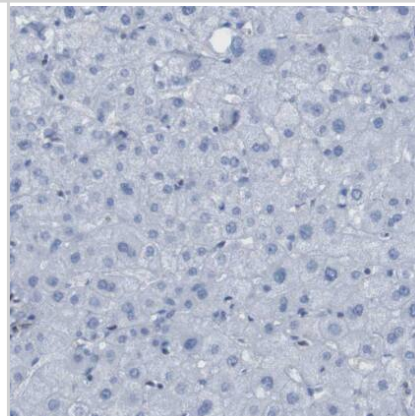
Immunohistochemistry-Paraffin: RNF182 Antibody [NBP1-82707] - Staining of human spleen shows moderate membranous positivity in cells in white pulp.



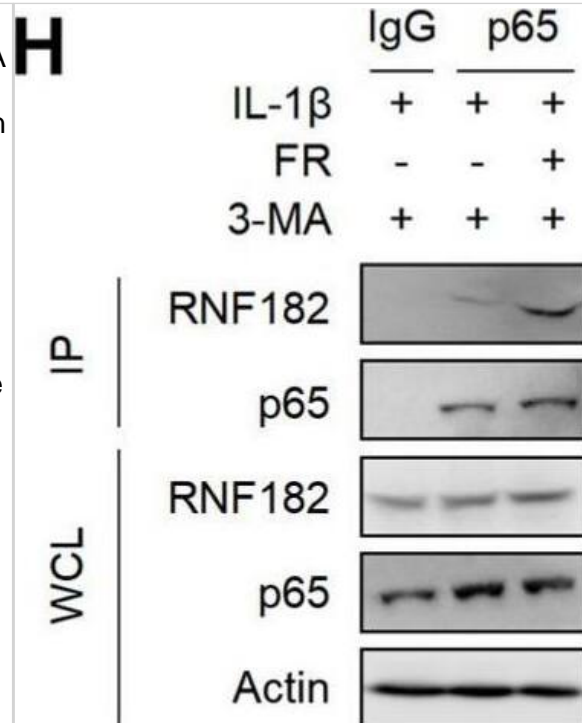
Immunohistochemistry-Paraffin: RNF182 Antibody [NBP1-82707] - Staining of human kidney shows moderate membranous positivity in cells in glomeruli.



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)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-82707

NBP1-82707PEP	RNF182 Recombinant Protein Antigen
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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-82707

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

