

Product Datasheet

RNF149 Antibody - Azide and BSA Free NBP2-93343-0.1ml

Unit Size: 0.1 ml

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

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NBP2-93343-0.1ml

RNF149 Antibody - Azide and 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	43 kDa

Product Description	
Description	Novus Biologicals Rabbit RNF149 Antibody - Azide and BSA Free (NBP2-93343) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	284996
Gene Symbol	RNF149
Species	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 221-400 of human RNF149 (NP_775918.2). FYYIQRFLYTGSQIGSQSHRKETKKVIGQLLLHTVKHGEKIDVDAENCAVCIEN FKVKDIIRILPCKHIFHRICIDPWLLDHRTCPMCKLDVIKALGYWGEPEGDVQEMP APESPPGRDPAANLSLALPDDDGSDSSPPSASPASEPQC DPSFKGDAGEN TALLEAGRSDSRHGGPIS

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements., Immunohistochemistry 1:50-1:200, Immunocytochemistry/Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin

Images

Western Blot: RNF149 Antibody - Azide and BSA Free [NBP2-93343] - Western blot analysis of lysates from Mouse stomach using RNF149 Rabbit pAb at 1:600 dilution.

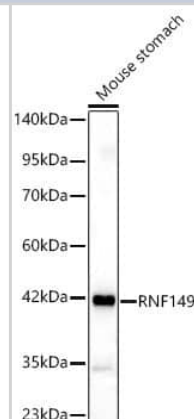
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25 ug per lane.

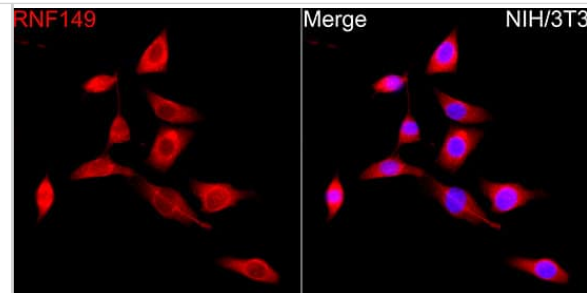
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit.

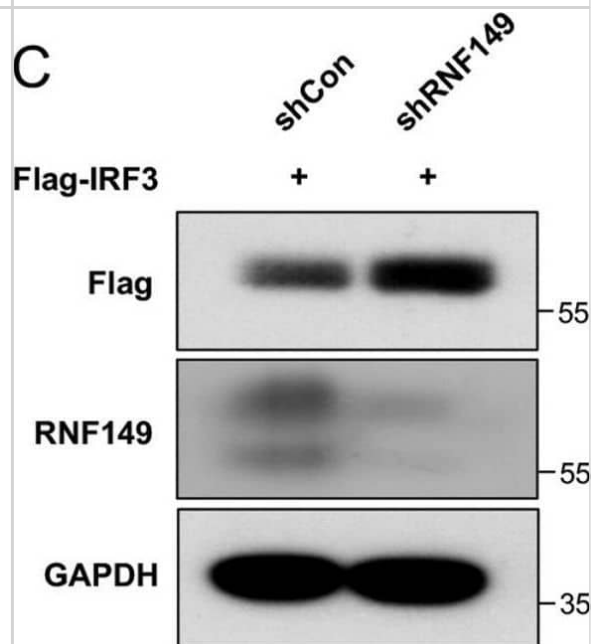
Exposure time: 30s.



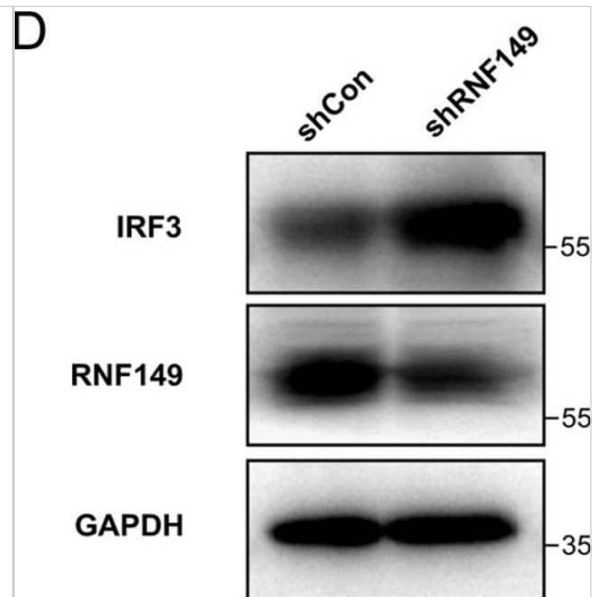
Immunocytochemistry/ Immunofluorescence: RNF149 Antibody - Azide and BSA Free [NBP2-93343] - Immunofluorescence analysis of NIH/3T3 cells using RNF149 Rabbit pAb at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



RNF149 downregulates IRF3 protein level through the proteasome pathway. (A) HEK293T cells were transfected with Flag-IRF3 and a gradient concentration of Myc-RNF149 plasmids for 48 h, and the expression of exogenous IRF3 was detected by Western blot. (B) The expression of endogenous IRF3 protein level in HEK293T cells transfected with a gradient concentration of Myc-RNF149 plasmid for 48 h. (C) HEK293T cells were transfected with shRNF149 and Flag-IRF3 plasmids for 48 h, and the expression of exogenous IRF3 was determined by Western blot. (D) The expression of endogenous IRF3 protein level in HEK293T cells transfected with shRNF149 plasmids for 48 h. (E) The expression of IRF3 in peritoneal macrophages from WT and *Rnf149*^{-/-} mice was detected by Western blot. (F) HEK293T cells were transfected with vector or Myc-RNF149 plasmid for 48 h, and IRF3 mRNA was detected by RT-qPCR. *n*=3. Expression levels were normalized to 18S mRNA expression and then to the vector sample. (G) HEK293T cells transfected with Myc-RNF149 and Flag-IRF3 plasmids for 36 h were treated with CHX at different time points, and the protein expression of exogenous IRF3 was determined by Western blot. (H-I) HEK293T cells transfected with Myc-RNF149 and Flag-IRF3 plasmids for 36 h were treated with proteasome inhibitor MG132 or lysosome inhibitor CQ for 12 h, and the protein expression of exogenous IRF3 was determined by Western blot. (F) The P-value was determined using an unpaired t-test. ns, not significant. Data are representative of three independent experiments. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/40245000>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



RNF149 downregulates IRF3 protein level through the proteasome pathway. (A) HEK293T cells were transfected with Flag-IRF3 and a gradient concentration of Myc-RNF149 plasmids for 48 h, and the expression of exogenous IRF3 was detected by Western blot. (B) The expression of endogenous IRF3 protein level in HEK293T cells transfected with a gradient concentration of Myc-RNF149 plasmid for 48 h. (C) HEK293T cells were transfected with shRNF149 and Flag-IRF3 plasmids for 48 h, and the expression of exogenous IRF3 was determined by Western blot. (D) The expression of endogenous IRF3 protein level in HEK293T cells transfected with shRNF149 plasmids for 48 h. (E) The expression of IRF3 in peritoneal macrophages from WT and *Rnf149*^{-/-} mice was detected by Western blot. (F) HEK293T cells were transfected with vector or Myc-RNF149 plasmid for 48 h, and IRF3 mRNA was detected by RT-qPCR. *n*=3. Expression levels were normalized to 18S mRNA expression and then to the vector sample. (G) HEK293T cells transfected with Myc-RNF149 and Flag-IRF3 plasmids for 36 h were treated with CHX at different time points, and the protein expression of exogenous IRF3 was determined by Western blot. (H-I) HEK293T cells transfected with Myc-RNF149 and Flag-IRF3 plasmids for 36 h were treated with proteasome inhibitor MG132 or lysosome inhibitor CQ for 12 h, and the protein expression of exogenous IRF3 was determined by Western blot. (F) The P-value was determined using an unpaired t-test. ns, not significant. Data are representative of three independent experiments. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/40245000>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.





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Products Related to NBP2-93343-0.1ml

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

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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