Product Datasheet

Granulin Antibody - BSA Free

NBP1-32076

Unit Size: 0.1 ml

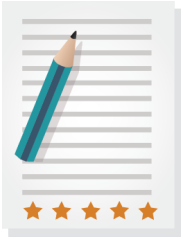
Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-32076

Updated 9/25/2025 v.20.1



NBP1-32076

Granulin 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	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	64 kDa

Product Description

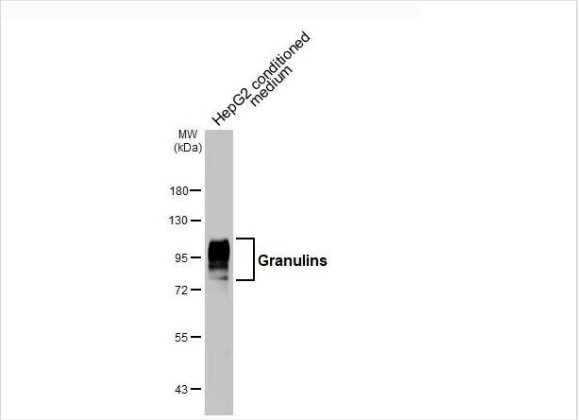
Description	Novus Biologicals Rabbit Granulin Antibody - BSA Free (NBP1-32076) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Granulin Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2896
Gene Symbol	GRN
Species	Human
Immunogen	Recombinant protein encompassing a sequence within the center region of human Granulin. The exact sequence is proprietary.

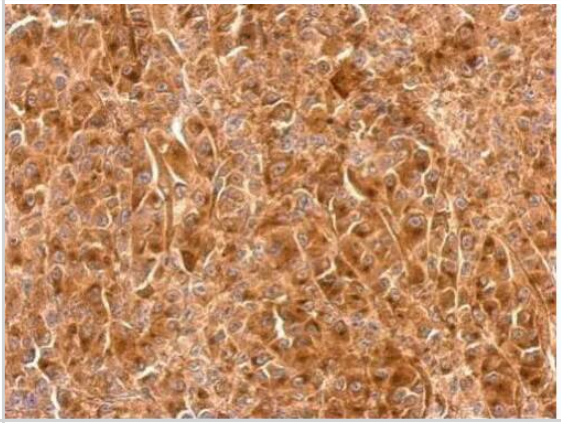
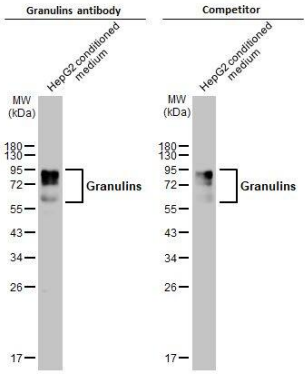
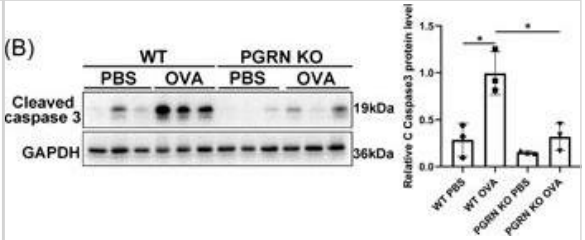
Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

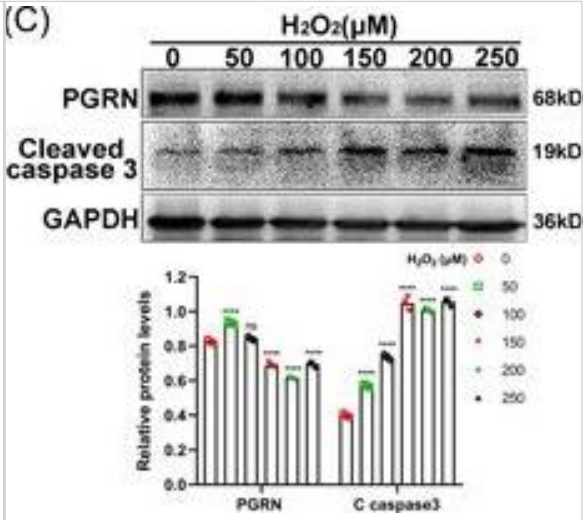
Images

HepG2 conditioned medium (30 µg) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Granulins antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



HBL435 xenograft. Granulins antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min	
HepG2 conditioned medium (30 ug) was separated by 12% SDS-PAGE, and the membranes were blotted with Granulin antibody (NBP1-32076) diluted at 1:1000 and competitor's antibody (Competitor) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. *The competitor is not affiliated withand does not endorse this product.	
Deletion of progranulin suppressed apoptosis in the airways exposed to ovalbumin, but aggravated the human bronchial epithelial cells apoptosis in vitro. (A) Representative images of lung sections from WT and PGRN KO mice stained for TUNEL. Scale bar: 100 μm. (B) The protein levels of cleaved caspase 3 in mice lung were analyzed by Western blot. The results of densitometric analysis were showed as means +/- SD (n = 3). *p < .05, unpaired t test. (C) Western blot analysis of PGRN and cleaved caspase 3 in 16□HBE cells treated (or not) with H2O2 for 48 h. The results of densitometric analysis were showed as means +/- SD (n = 3). ****p < .0001, one□way ANOVA. (D) The knockdown efficiency of siRNA targeting PGRN was identified at the mRNA and protein levels 24 and 48 h following transfection, respectively. The relative mRNA expression and densitometric analysis were showed as means +/- SD (n = 3). ****p < .0001, one□way ANOVA. (E) Following knockdown of PGRN for 24 h, 16□HBE cells were treated (or not) with H2O2 for 24 h. The densitometric analysis of cleaved caspase 3 was presented as means +/- SD (n = 3). *p < .05, unpaired t test. The study was repeated for three times. ANOVA, analysis of variance; DAPI, 4′,6□diamidino□2□phenylindole; HBE, human bronchial epithelial cells; TUNEL, terminal deoxynucleotidyl transferase dUTP nick end labeling. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/36840485), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Deletion of progranulin suppressed apoptosis in the airways exposed to ovalbumin, but aggravated the human bronchial epithelial cells apoptosis in vitro. (A) Representative images of lung sections from WT and PGRN KO mice stained for TUNEL. Scale bar: 100 μm. (B) The protein levels of cleaved caspase 3 in mice lung were analyzed by Western blot. The results of densitometric analysis were showed as means +/- SD (n = 3). *p < .05, unpaired t test. (C) Western blot analysis of PGRN and cleaved caspase 3 in 16□HBE cells treated (or not) with H2O2 for 48 h. The results of densitometric analysis were showed as means +/- SD (n = 3). ****p < .0001, one□way ANOVA. (D) The knockdown efficiency of siRNA targeting PGRN was identified at the mRNA and protein levels 24 and 48 h following transfection, respectively. The relative mRNA expression and densitometric analysis were showed as means +/- SD (n = 3). ****p < .0001, one□way ANOVA. (E) Following knockdown of PGRN for 24 h, 16□HBE cells were treated (or not) with H2O2 for 24 h. The densitometric analysis of cleaved caspase 3 was presented as means +/- SD (n = 3). *p < .05, unpaired t test. The study was repeated for three times. ANOVA, analysis of variance; DAPI, 4′,6□diamidino□2□phenylindole; HBE, human bronchial epithelial cells; TUNEL, terminal deoxynucleotidyl transferase dUTP nick end labeling. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/36840485), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Huang Q, Weng D, Yao S et al. Progranulin deficiency suppresses allergic asthma and enhances efferocytosis via PPAR-?/MFG-E8 regulation in macrophages Immunity, inflammation and disease 2023-02-01 [PMID: 36840485] (WB, Mouse, Human)

Kahle JJ, Gulbahce N, Shaw CA et al. Comparison of an expanded ataxia interactome with patient medical records reveals a relationship between macular degeneration and ataxia. Hum Mol Genet 2011-02-01 [PMID: 21078624] (ICC/IF, Mouse)

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Products Related to NBP1-32076

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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