

Product Datasheet

Humanin Antibody - BSA Free NB100-56877

Unit Size: 0.1 ml

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

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Updated 9/9/2025 v.20.1

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NB100-56877

Humanin Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera with 50% Glycerol

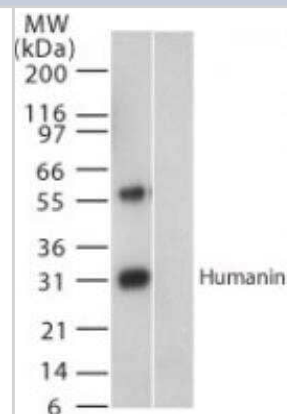
Product Description	
Description	Novus Biologicals Rabbit Humanin Antibody - BSA Free (NB100-56877) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-Humanin Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	100462977
Gene Symbol	MTRNR2L1
Species	Human
Immunogen	The full length peptide sequence from the human MT-RNR2 protein (accession number Q8IVG9).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:100-1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence reported by customer review, Immunohistochemistry-Paraffin 1:100

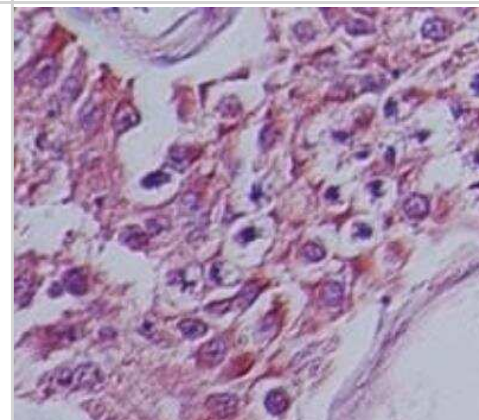


Images

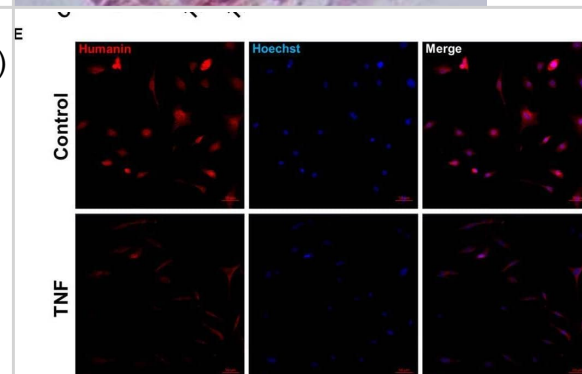
Western Blot: Humanin Antibody [NB100-56877] - Analysis of Humanin in (A) recombinant fusion protein containing amino acids 1-24 and (B) fusion partner without these amino acids, using Humanin antibody at 1:2000.



Immunohistochemistry-Paraffin: Humanin Antibody [NB100-56877] - Analysis Humanin in human testis at 1:100.



TNF suppressed humanin expression in human growth plate tissue specimens (n=6) obtained from 2 children or human chondrocytes. (A, B) Quantitative analysis of humanin staining (yellow arrows), calculated as number of positive cells per mm². (C) Relative expression of humanin assessed by qPCR in HCS-2/8 cell line treated for 72 hours with TNF at 10, 30, 100, 300 ng/ml concentrations (n=3-4). (D) Quantification of humanin expression by immunofluorescence in HCS-2/8 cells treated with TNF (100 ng/ml). (E) Representative images of humanin staining (red) in HCS-2/8 cells treated with TNF and untreated controls. Error bars indicate mean \pm SE. Student's t-test was used to analyze differences between groups. Image collected and cropped by CiteAb from the following open publication (<https://www.frontiersin.org/articles/10.3389/fendo.2023.1142310/full>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Peña Agudelo JA, Pidre ML, Garcia Fallit M et al. Mitochondrial Peptide Humanin Facilitates Chemoresistance in Glioblastoma Cells *Cancers (Basel)* 2023-08-11 [PMID: 37627089] (Immunocytochemistry/ Immunofluorescence)

Velentza L, Wickström M, Kogner P et al. Humanin Treatment Protects Against Venetoclax-Induced Bone Growth Retardation in Ex Vivo Cultured Rat Bones *J Endocr Soc* 2024-01-16 [PMID: 38328478]

Yunhan Zhao, Outi Mäkitie, Salla Laakso, Vera Fedosova, Lars Sävendahl, Farasat Zaman A novel link between chronic inflammation and humanin regulation in children *Frontiers in Endocrinology* 2024-01-23 [PMID: 38322155]

Celvin B Prevention of growth failure caused by glucocorticoids and inflammation Thesis



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Products Related to NB100-56877

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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