

Product Datasheet

RPS20 Antibody - BSA Free

NBP1-80804

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 2/21/2025 v.20.1

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NBP1-80804

RPS20 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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	13 kDa

Product Description

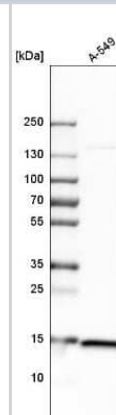
Host	Rabbit
Gene ID	6224
Gene Symbol	RPS20
Species	Human
Reactivity Notes	Reactivity reported in scientific literature (PMID: 25866880).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MAFKDTGKTPVEPEVAIHRIRITLTSRNVKSLEKVCADLIRGAKEKNLKVKGPPVR MPTKTLRITTRKTPCGEGSKTWDRFQMRIHKRLIDLHSPSEIVKQITSISIEPGVE VEVTIA

Product Application Details

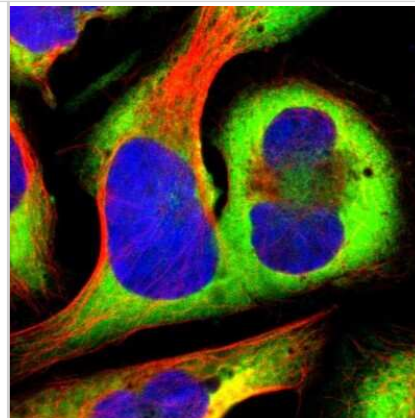
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: PFA/Triton X-100

Images

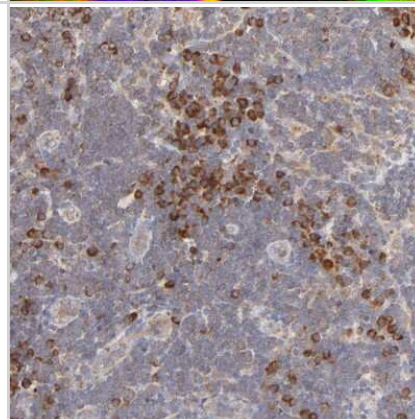
Western Blot: RPS20 Antibody [NBP1-80804] - Analysis in human cell line A-549.



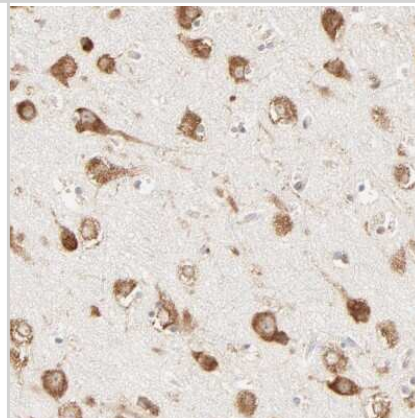
Immunocytochemistry/Immunofluorescence: RPS20 Antibody [NBP1-80804] - Staining of human cell line U-2 OS shows localization to cytosol & endoplasmic reticulum. Antibody staining is shown in green.



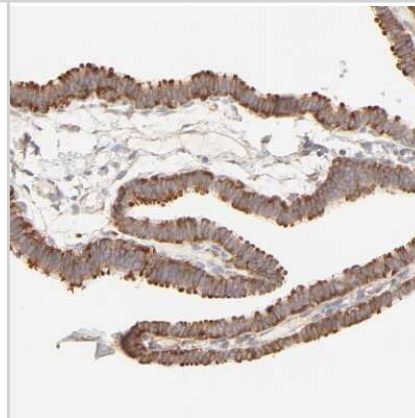
Immunohistochemistry-Paraffin: RPS20 Antibody [NBP1-80804] - Staining of human lymph node shows moderate cytoplasmic positivity in lymphoid cells.



Immunohistochemistry-Paraffin: RPS20 Antibody [NBP1-80804] - Staining of human cerebral cortex shows moderate cytoplasmic positivity in neuronal cells.



Immunohistochemistry-Paraffin: RPS20 Antibody [NBP1-80804] - Staining of human fallopian tube shows moderate positivity in glandular cells.



Publications

Arpit Dheeraj, Fernando Jose Garcia Marques, Dhanir Tailor, Abel Bermudez, Angel Resendez, Mallesh Pandrala, Benedikt Grau, Praveen Kumar, Carrsyn B. Haley, Alexander Honkala, Praveen Kujur, Stefanie S. Jeffrey, Sharon Pitteri, Sanjay V. Malhotra Inhibition of protein translational machinery in triple-negative breast cancer as a promising therapeutic strategy *Cell Reports Medicine* 2024-05-09 [PMID: 38729158]

Sawamoto A, Doi K, Amakura Y et al. N-Caffeoyltryptophan enhances adipogenic differentiation in preadipocytes and improves glucose tolerance in mice *Biochimica et Biophysica Acta (BBA) - General Subjects* 2022-11-01 [PMID: 36460233] (WB, Mouse)

Details:

1:1000 dilution WB

Lin J, Lai X, Fan X et al. Oridonin Protects against Myocardial Ischemia-Reperfusion Injury by Inhibiting GSDMD-Mediated Pyroptosis *Genes* 2022-11-17 [PMID: 36421808] (WB, Mouse)

Details:

Dilutions: 1:1000

Park J, Lee J, Kim JH et al. ZNF598 co-translationally titrates poly(GR) protein implicated in the pathogenesis of C9ORF72-associated ALS/FTD *Nucleic acids research* 2021-09-22 [PMID: 34551427] (WB, Human)

Zhang X, Gao X, Coots RA et al. Translational control of the cytosolic stress response by mitochondrial ribosomal protein L18. *Nat Struct Mol Biol* 2015-05-01 [PMID: 25866880]

Stadler C, Hjelmare M, Neumann B et al. Systematic validation of antibody binding and protein subcellular localization using siRNA and confocal microscopy. *J Proteomics* 2012-04-03 [PMID: 22361696]

Badhai J, Frojmark AS, Razzaghian HR et al. Posttranscriptional down regulation of small ribosomal subunit proteins correlates with reduction of 18S rRNA in RPS19 deficiency. *FEBS Lett* 2009-06-18 [PMID: 19454283]





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Products Related to NBP1-80804

NBP1-80804PEP	RPS20 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

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