

Product Datasheet

Rhot1 Antibody - BSA Free

NBP1-89011

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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NBP1-89011

Rhot1 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

Product Description

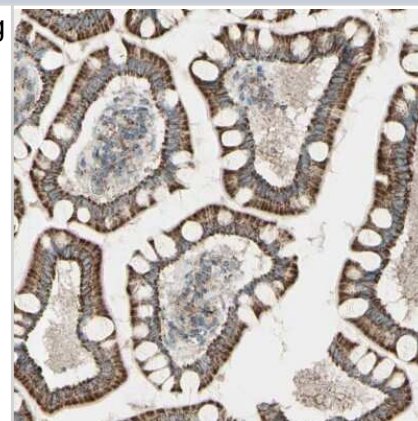
Host	Rabbit
Gene ID	55288
Gene Symbol	RHOT1
Species	Human, Rat
Reactivity Notes	Rat reactivity reported in (PMID: 26631479).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: THIVDYSEAEQSDEQLHQEISQANVICIVYAVNNKHSIDKVTSRWIPLINERTDKD SRLPLILVGNKSDLVEYSSMETILPIMNQYTEIE

Product Application Details

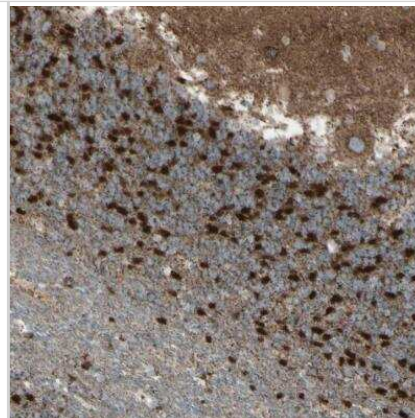
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reactivity reported in (PMID:24671417), Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence Reactivity reported in (PMID: 26259702), Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

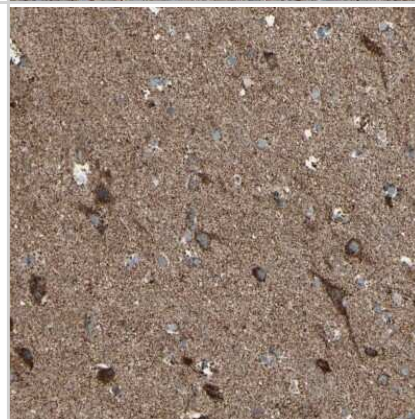
Immunohistochemistry-Paraffin: Rhot1 Antibody [NBP1-89011] - Staining of human small intestine shows positivity in glandular cells.



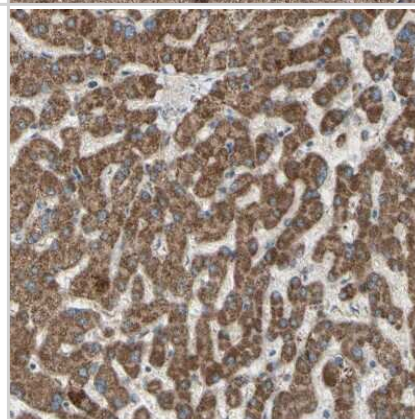
Immunohistochemistry-Paraffin: Rhot1 Antibody [NBP1-89011] - Staining of human cerebellum shows positivity in neuronal cells.



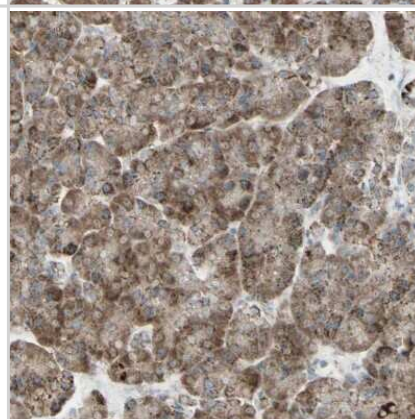
Immunohistochemistry-Paraffin: Rhot1 Antibody [NBP1-89011] - Staining of human cerebral cortex shows positivity in neuronal cells.



Immunohistochemistry-Paraffin: Rhot1 Antibody [NBP1-89011] - Staining of human liver shows positivity in hepatocytes.



Immunohistochemistry-Paraffin: Rhot1 Antibody [NBP1-89011] - Staining of human pancreas shows positivity in exocrine glandular cells.



Publications

Hanna Lee, Ok-Yi Jeong, Hee Jin Park, Sung-Lim Lee, Eun-yeong Bok, Mingyo Kim, Young Sun Suh, Yun-Hong Cheon, Hyun-Ok Kim, Suhee Kim, Sung Hak Chun, Jung Min Park, Young Jin Lee, Sang-Il Lee Promising Therapeutic Effects of Embryonic Stem Cells-Origin Mesenchymal Stem Cells in Experimental Pulmonary Fibrosis Models: Immunomodulatory and Anti-Apoptotic Mechanisms Immune Network 2023-12-01 [PMID: 38188598]

Furnish M, Boulton DP, Genther V et al. MIRO2 Regulates Prostate Cancer Cell Growth via GCN1-Dependent Stress Signaling Molecular Cancer Research 2022-04-01 [PMID: 34992146] (Western Blot)

Fagbadebo F, Kaiser P, Zittlau K et al. A Nanobody-Based Toolset to Monitor and Modify the Mitochondrial GTPase Miro1 Frontiers in Molecular Biosciences 2022-03-10 [PMID: 35359597] (ICC/IF, Human)

Stephen TL, Higgs NF, Sheehan DF et al. Miro1 Regulates Activity-Driven Positioning of Mitochondria within Astrocytic Processes Apposed to Synapses to Regulate Intracellular Calcium Signaling. J Neurosci 2015-12-02 [PMID: 26631479] (WB, Rat)

Kanfer G, Thibault Courtheoux T, Martin Peterka M et al. Mitotic redistribution of the mitochondrial network by Miro and Cenp-F. Nat Commun 2015-08-11 [PMID: 26259702] (ICC/IF, Human)

Bingol B, Tea JS, Phu L et al. The mitochondrial deubiquitinase USP30 opposes parkin-mediated mitophagy. Nature 2014-06-19 [PMID: 24896179]

Birsa N, Norkett R, Wauer T et al. Lysine 27 Ubiquitination of the Mitochondrial Transport Protein Miro Is Dependent on Serine 65 of the Parkin Ubiquitin Ligase. J Biol Chem 2014-05-23 [PMID: 24671417] (WB, ICC/IF, Human)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. Nat Methods 2013-04-01 [PMID: 23435261]

De Vos KJ, Morotz GM, Stoica R et al. VAPB interacts with the mitochondrial protein PTIP51 to regulate calcium homeostasis. Hum Mol Genet 2012-03-01 [PMID: 22131369]





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Products Related to NBP1-89011

NBP1-89011PEP	Rhot1 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.

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