

Product Datasheet

RTN1-A/NSP Antibody (RNL-4) - BSA Free NBP1-97673

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 11/1/2024 v.20.1

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NBP1-97673

RTN1-A/NSP Antibody (RNL-4) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RNL-4
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS, pH 7.2
Product Description	
Description	The antibody is shipped at ambient temperature and may be stored at 4C. For prolonged storage prepare appropriate aliquots and store at or below -20C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at 4C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product.
Host	Mouse
Gene ID	6252
Gene Symbol	RTN1
Species	Human, Rat, Porcine
Specificity/Sensitivity	This antibody recognizes an epitope located within the first 20 amino acids of Reticulon-1C (NSP-C). It reacts with peripheral nerves and ganglia of various tissues and cross-reacts with smooth muscle cells and myoepithelium. In the central nervous system it reacts with the neurohypophysis and pars intermedia of the pituitary gland, and a weak diffuse staining was observed in neurons of the granular and molecular layer of the cerebellar cortex, while glial cells, cerebellar medulla and Purkinje cells are negative. Reticulon-1 has been found to indicate neuronal differentiation and to be downregulated in neurological pathologies.
Immunogen	Derived by fusion of SP2/0-Ag14 Mouse myeloma cells, with spleen cells from a BALB/c Mouse immunized with a synthetic peptide encompassing the unique 20 N-terminal amino acid sequence of Reticulon-1C.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500, CyTOF-ready



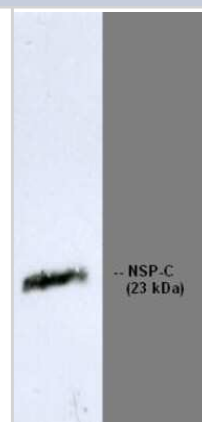
Application Notes

Optimal antibody dilution should be determined by titration; recommended range is 1:50 - 1:100 for flow cytometry, and for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:500 for immunoblotting applications.

This antibody is CyTOF ready.

Images

Western Blot: RTN1 Antibody (1988) [NBP1-97673] - Immunoblotting of RNL-4 recognizing NSP-C Reticulon 1-C (23 kDa) in extract from neuroblastoma cell line LA-N-5





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Products Related to NBP1-97673

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-97673UV	RTN1-A/NSP Antibody (RNL-4) [DyLight 350]

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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