

Product Datasheet

RTN1-A/NSP Antibody (MON162) - BSA Free NBP1-97677

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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NBP1-97677

RTN1-A/NSP Antibody (MON162) - 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	MON162
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, Mouse, Rat, Hamster
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	This antibody exclusively recognizes the 135 kD RTN1-A/NSP (RTN1-A/NSP) protein in immunoblots of NCI-H82 and other SCLC cell lines, and stains normal and pathological neural and neuroendocrine tissues. The epitope of MON-162 is located between amino acid residues 338-422 of RTN1-A/NSP.
Immunogen	Derived by fusion of Mouse myeloma cells with spleen cells from a Mouse immunized with a partially purified bacterially expressed Reticulon-1A (NSP-A) hybrid protein.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:100-1:200, Immunohistochemistry-Frozen 1:100-1:200

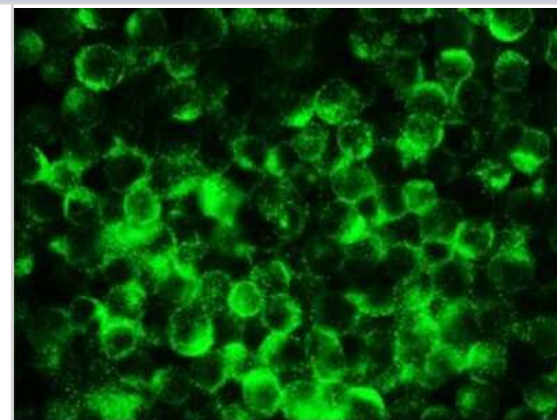


Application Notes

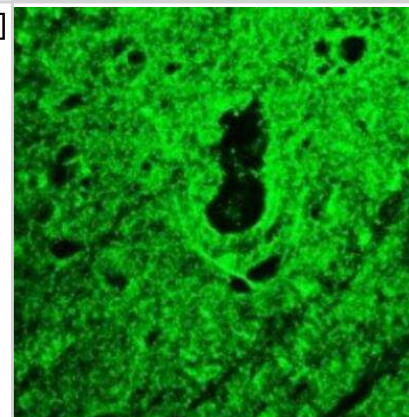
This antibody is suitable for immunocytochemistry, immunohistochemistry on frozen and paraffin-embedded tissue, and immunoblotting. Optimal antibody dilution should be determined by titration; recommended range is 1:100 - 1:200 for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:1000 for immunoblotting applications.

Images

Immunocytochemistry/Immunofluorescence: RTN1 Antibody (MON162) [NBP1-97677] - Immunostaining of NCI-H82 variant small cell lung cancer



Immunohistochemistry-Frozen: RTN1 Antibody (MON162) [NBP1-97677] - Immunohistochemistry on frozen section of swine brain

**Publications**

Cicho? MA, Pfisterer K, Leitner J et al. Interoperability of RTN1A in dendrite dynamics and immune functions in human Langerhans cells eLife 2022-10-12 [PMID: 36223176] (FLOW, Human)



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Products Related to NBP1-97677

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)
NBP1-97677UV	RTN1-A/NSP Antibody (MON162) [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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