Mouse RTN4IP1 Monoclonal Antibody | anti-RTN4IP1 antibody

RTN4IP1 antibody

CATALOG #	HOST	APPLICATIONS
AAA107320	**Mouse**	**Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

RTN4IP1; Monoclonal Antibody; RTN4IP1 antibody; Monoclonal RTN4IP1; Anti-RTN4IP1; Reticulon 4 interacting protein 1; NIMP; NOGO-interacting mitochondrial protein; MGC12934; RTNIP1 4; RTNIP1-4; anti-RTN4IP1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3B2
Purity/Purification	RTN4IP1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	396
Applicable Applications for anti-RTN4IP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	RTN4IP1 is a novel mitochondrial protein that interacts with reticulon 4, which is a potent inhibitor of regeneration following spin al cord injury. The interaction of reticulon 4 with mitochondrial proteins may provide insight into the mechanisms for reticulon-induced inhibition of neurite growth.
Cross-Reactivity	Human
Immunogen	RTN4IP1 antibody was raised in mouse using a full length recombinant protein of human RTN4IP1 (NP_116119) produced in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IHC (Immunohistochemisry)
Immunohistochemical analysis of RTN4IP1 protein in paraffin embedded Human Kidney tissue using RTN4IP1 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant RTN4IP1 protein (Right) or empty vector (Left) detected with RTN4IP1 antibody

FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant RTN4IP1 protein (red) or empty vector (blue) stained using RTN4IP1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-RTN4IP1 antibody	Mouse monoclonal RTN4IP1 antibody
Product Categories/Family for anti-RTN4IP1 antibody	Differentiation & Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	47519420
NCBI GeneID	84816
NCBI Accession #	NP_116119
NCBI GenBank Nucleotide #	NM_032730.4
UniProt Accession #	Q8WWV3; Q8N9B3; Q8WZ66; Q9BRA4
Molecular Weight	24,936 Da
NCBI Official Full Name	reticulon-4-interacting protein 1, mitochondrial
NCBI Official Synonym Full Names	reticulon 4 interacting protein 1
NCBI Official Symbol	RTN4IP1
NCBI Official Synonym Symbols	NIMP
NCBI Protein Information	reticulon-4-interacting protein 1, mitochondrial
UniProt Protein Name	Reticulon-4-interacting protein 1, mitochondrial
UniProt Gene Name	**RTN4IP1**
UniProt Synonym Gene Names	NIMP
UniProt Entry Name	RT4I1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/rtn4ip1-antibody-clone-3b2-western-blot-immunohistochemistry-flow-cytometry-elisa/107320