

Rabbit anti-Human RT4I1 Polyclonal Antibody | anti-RTN4IP1 antibody

RT4I1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288709	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

RT4I1; Polyclonal Antibody; RT4I1 Antibody (C-term); Reticulon-4-interacting protein 1; mitochondrial; NOGO-interacting mitochondrial protein; RTN4IP1; NIMP; anti-RTN4IP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RT4I1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 335-363 amino acids from the C-terminal region of human RT4I1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	335-363
Sequence Length	396
Applicable Applications for anti-RTN4IP1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

RT4I1 Antibody (C-term) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

RT4I1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RT4I1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

RT4I1 Antibody (C-term) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the RT4I1 antibody detected the RT4I1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-RTN4IP1 antibody	This gene encodes a novel mitochondrial protein that interacts with reticulon 4, which is a potent inhibitor of regeneration following spinal cord injury. The interaction of reticulon 4 with mitochondrial proteins may provide insight into the mechanisms for reticulon-induced inhibition of neurite growth.
Product Categories/Family for anti-RTN4IP1 antibody	Cell Biology; Metabolism; Signal transduction
References	Rose, J. Phd, et al. Mol. Med. (2010) In press : Mungall, A.J., et al. Nature 425(6960):805-811(2003) Domeniconi, M., et al. Neuron 35(2):283-290(2002) Hu, W.H., et al. J. Neurochem. 81(1):36-45(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	47519420
NCBI GeneID	84816
NCBI Accession #	NP_116119.2
NCBI GenBank Nucleotide #	NM_032730.4
UniProt Accession #	Q8WWV3; Q8N9B3; Q8WZ66; Q9BRA4
Molecular Weight	43590
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.