

Rabbit anti-Human, Mouse NEU4 Polyclonal Antibody | anti-NEU4 antibody

NEU4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322949	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

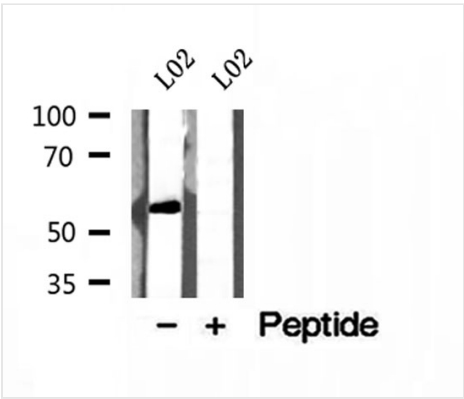
PRODUCT SYNONYMS

NEU4; Polyclonal Antibody; NEU4 Antibody; N acetyl alpha neuraminidase 4; Neuraminidase 4; Sialidase 4; anti-NEU4 antibody

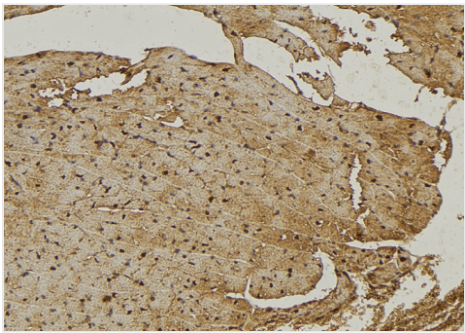
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	NEU4 antibody detects endogenous levels of NEU4.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	497
Applicable Applications for anti-NEU4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NEU4.
Subcellular Location	Isoform 1: Membrane; Peripheral Membrane Protein. Isoform 2: Lysosome Lumen.
Tissue Specificity	Ubiquitous with higher expression in heart, skeletal muscle, liver and placenta.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of L02 cells, using NEU4 antibody.



IHC (Immunohistochemistry)
AAA322949 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NEU4 antibody	Function: May function in lysosomal catabolism of sialylated glycoconjugates. Has sialidase activity towards synthetic substrates, such as 2'-(4-methylumbelliferyl)-alpha-D-N-acetylneuraminic acid (4-MU-NANA or 4MU-NeuAc). Has a broad substrate specificity being active on glycoproteins, oligosaccharides and sialylated glycolipids. Post-translational Modifications: According to PubMed:15213228, phosphorylation of mannose residues may ensure efficient transport of isoform 2 to the lysosomes via the mannose 6-phosphate receptor. Isoform 2 is glycosylated. Similarity: Belongs to the glycosyl hydrolase 33 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	262527263
NCBI GeneID	129807
NCBI Accession #	NP_001161071.1
NCBI GenBank Nucleotide #	NM_001167599.2
UniProt Accession #	Q8WWR8; Q96D64; A8K056; J3KNJ5
Molecular Weight	Observed: 52-55 kDa Predicted: 52 kDa
NCBI Official Full Name	sialidase-4 isoform 2
NCBI Official Synonym Full Names	neuraminidase 4
NCBI Official Symbol	NEU4
NCBI Protein Information	sialidase-4
UniProt Protein Name	Sialidase-4
UniProt Gene Name	NEU4

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.