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Rabbit Anti-NEU4 antibody

SL7871R

Product Name:	NEU4
Chinese Name:	神经氨酸酶4抗体
Alias:	N acetyl alpha neuraminidase 4; Neuraminidase 4; Sialidase 4; NEUR4_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	51kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NEU4:151-450/484
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	NEU4 belongs to a family of glycohydrolytic enzymes which remove sialic acid residues from glycoproteins and glycolipids. **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. **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. **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 (PubMed:15213228). **Similarity:** Belongs to the glycosyl hydrolase 33 family. Contains 3 BNR repeats. **SWISS:** Q8WWR8 **Gene ID:** 129807 **Database links:** **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.