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Anti-NEU1 / NEU Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18615

Product Information

Application	WB, IHC-P
Primary Accession	Q99519
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	45467

Additional Information

Gene ID	4758
Alias Symbol	NEU1
Other Names	NEU1, Acetylneuraminyl hydrolase, G9 gene encoding sialidase, G9 sialidase, Exo-alpha-sialidase, Neu, Sialidase-1, Lysosomal sialidase, SIAL1, N-acetyl-alpha-neuraminidase 1, NANH
Target/Specificity	Human NEU1 / NEU
Reconstitution & Storage	Affinity purified
Precautions	Anti-NEU1 / NEU Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NEU1 (HGNC:7758)
Synonyms	NANH
Function	Lysosomal exo-alpha-sialidase that catalyzes the removal of sialic acid (N-acetylneuraminic acid) moieties from glycoproteins and glycolipids. To be active, it is strictly dependent on its presence in the multienzyme complex (PubMed:14695530, PubMed:25153125, PubMed:37205763, PubMed:8985184, PubMed:9054950). Appears to have a preference for alpha 2-3 and alpha 2-6 sialyl linkage.
Cellular Location	Lysosome lumen. Lysosome membrane; Peripheral membrane protein; Lumenal side. Cell membrane; Peripheral membrane protein. Note=Localized not only on the inner side of the lysosomal membrane and in the lysosomal lumen, but also on the plasma membrane and in intracellular vesicles

	(PubMed:11571282, PubMed:9480870). Was also suggested to have transmembrane topology (PubMed:27917893).
Tissue Location	Highly expressed in pancreas, followed by skeletal muscle, kidney, placenta, heart, lung and liver. Weakly expressed in brain.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.