

NEU4 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58785**Specification**

NEU4 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8WWR8
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51572

NEU4 Polyclonal Antibody - Additional Information**Gene ID** 129807**Other Names**

Sialidase-4, 3.2.1.18, N-acetyl-alpha-neuraminidase 4, NEU4

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

NEU4 Polyclonal Antibody - Protein Information**Name** NEU4**Function**

Exo-alpha-sialidase that catalyzes the hydrolytic cleavage of the terminal sialic acid (N-acetylneuraminic acid, Neu5Ac) of a glycan moiety in the catabolism of glycolipids, glycoproteins and oligosaccharides. Efficiently hydrolyzes gangliosides including alpha-(2->3)-sialylated GD1a and GM3 and alpha-(2->8)-sialylated GD3 (PubMed:15847605, PubMed:21521691, PubMed:15213228). Hydrolyzes poly- alpha-(2->8)-sialylated neural cell adhesion molecule NCAM1 likely at growth cones, suppressing neurite outgrowth in hippocampal neurons (By similarity). May desialylate sialyl Lewis A and X antigens at the cell surface, down-regulating these glycan epitopes recognized by SELE/E selectin in the initiation of cell adhesion and extravasation (PubMed:21521691). Has sialidase activity toward mucin, fetuin and sialyllactose (PubMed:15847605).

Cellular Location

[Isoform 1]: Cell membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein. Mitochondrion membrane; Peripheral membrane protein. Cell projection, neuron projection
{ECO:0000250|UniProtKB:Q8BZL1} Note=Predominantly associates with endoplasmic reticulum membranes Only a small fraction associates with mitochondrial and plasma membranes.

Tissue Location

[Isoform 1]: Predominant form in liver. Also expressed in brain, kidney and colon.

NEU4 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NEU4 Polyclonal Antibody - Images