

Sialidase 3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56711**Specification****Sialidase 3 Polyclonal Antibody - Product Information**

Application	IHC-P
Primary Accession	Q9UQ49
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48252

Sialidase 3 Polyclonal Antibody - Additional Information**Gene ID 10825****Other Names**

Sialidase-3, 3.2.1.18, Ganglioside sialidase, Membrane sialidase, N-acetyl-alpha-neuraminidase 3, NEU3

Format

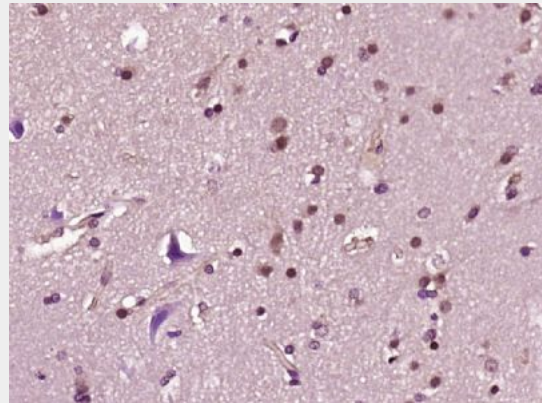
0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage

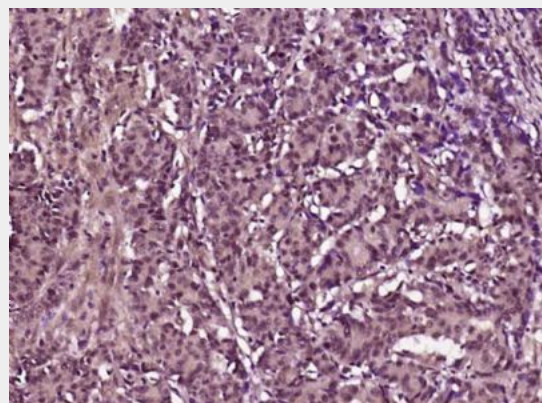
Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Sialidase 3 Polyclonal Antibody - Protein Information**Name NEU3****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. Displays high catalytic efficiency for gangliosides including alpha-(2->3)-sialylated GD1a and GM3 and alpha-(2->8)- sialylated GD3 (PubMed: ef="http://www.uniprot.org/citations/11298



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Sialidase 3) Polyclonal Antibody, Unconjugated (bs-17482R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Sialidase 3)

736" target="_blank">11298736, PubMed:15847605, PubMed:10861246, PubMed:20511247, PubMed:28646141, PubMed:10405317, PubMed:12011038). Plays a role in the regulation of transmembrane signaling through the modulation of ganglioside content of the lipid bilayer and by direct interaction with signaling receptors, such as EGFR (PubMed:17334392, PubMed:25922362). Desialylates EGFR and activates downstream signaling in proliferating cells (PubMed:25922362). Contributes to clathrin-mediated endocytosis by regulating sorting of endocytosed receptors to early and recycling endosomes (PubMed:26251452).

Cellular Location

Cell membrane; Peripheral membrane protein. Membrane, caveola. Early endosome membrane; Peripheral membrane protein. Recycling endosome membrane; Peripheral membrane protein. Lysosome membrane; Peripheral membrane protein. Note=Associates with the external leaflet of the plasma membrane (By similarity). S-acylated NEU3 likely spans the lipid bilayer with a portion of C-terminus exposed to the cytosol and the catalytic region facing the extracellular space (PubMed:28646141). {ECO:0000250|UniProtKB:Q9JMH7, ECO:0000269|PubMed:28646141}

Polyclonal Antibody, Unconjugated (bs-17482R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Tissue Location

Highly expressed in skeletal muscle, testis, adrenal gland and thymus, followed by pancreas, liver, heart and thymus. Weakly expressed in kidney, placenta, brain and lung

Sialidase 3 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](#)