

NPL/N-acetylneuraminate lyase Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57478**Specification**

NPL/N-acetylneuraminate lyase Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q9BXD5
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35163

NPL/N-acetylneuraminate lyase Polyclonal Antibody - Additional Information**Gene ID** 80896**Other Names**

N-acetylneuraminate lyase, NALase, 4.1.3.3, N-acetylneuraminate pyruvate-lyase, N-acetylneuraminic acid aldolase, Sialate lyase, Sialate-pyruvate lyase, Sialic acid aldolase, Sialic acid lyase, NPL, C1orf13

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.

NPL/N-acetylneuraminate lyase Polyclonal Antibody - Protein Information**Name** NPL ([HGNC:16781](#))**Synonyms** C1orf13**Function**

Catalyzes the cleavage of N-acetylneuraminic acid (sialic acid) to form pyruvate and N-acetylmannosamine via a Schiff base intermediate (PubMed:33895133). It prevents sialic acids from being recycled and returning to the cell surface (PubMed:33895133). Involved in the N-glycolylneuraminic acid (Neu5Gc) degradation pathway (PubMed:22692205, PubMed:33895133). Although human is not able to catalyze formation of Neu5Gc due to the inactive CMAHP enzyme, Neu5Gc is present in food and must be degraded (Probable).

Cellular Location

Cytoplasm.

Tissue Location

Isoform 2 is expressed in placenta, liver, kidney, pancreas, spleen, thymus, ovary, small intestine and peripheral blood leukocyte.

NPL/N-acetylneuraminate lyase 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](#)

NPL/N-acetylneuraminate lyase Polyclonal Antibody - Images