



Rabbit Anti-NPL/N-acetylneuraminate lyase antibody

SL19332R

| | |
|-------------------------------|--|
| Product Name: | NPL/N-acetylneuraminate lyase |
| Chinese Name: | 唾液酸醛缩酶NPL抗体 |
| Alias: | 0610033B02Rik; C112; C1orf13; Dihydrodipicolinate synthase; Dihydrodipicolinate synthetase homolog 1; MGC149582; MGC61869; N-acetylneuraminate lyase; N-acetylneuraminate pyruvate-lyase; N-acetylneuraminic acid aldolase; NAL; NALase; NPL; NPL_HUMAN; NPL1; RP11-249O6.1; Sialate lyase; Sialate-pyruvate lyase; Sialic acid aldolase; Sialic acid lyase. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Cow,Horse,Sheep, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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: | 35kDa |
| Cellular localization: | cytoplasmic |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human NPL/N-acetylneuraminate lyase:161-260/320 |
| 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 |

This gene encodes a member of the N-acetylneuraminase lyase sub-family of (beta/alpha)(8)-barrel enzymes. N-acetylneuraminase lyases regulate cellular concentrations of N-acetyl-neuraminic acid (sialic acid) by mediating the reversible conversion of sialic acid into N-acetylmannosamine and pyruvate. A pseudogene of this gene is located on the short arm of chromosome 2. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]

Function:

Catalyzes the cleavage of N-acetylneuraminic acid (sialic acid) to form pyruvate and N-acetylmannosamine via a Schiff base intermediate. It prevents sialic acids from being recycled and returning to the cell surface.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

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

Similarity:

Belongs to the DHDPS family. NanA subfamily.

SWISS:

Q9BXD5

Gene ID:

80896

Database links:

[Entrez Gene: 80896](#) Human

[Omim: 611412](#) Human

[SwissProt: Q9BXD5](#) Human

[Unigene: 496969](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Product Detail: