

For Research Use Only

# NPL Recombinant antibody, PBS Only

Catalog Number: 85608-3-PBS



## Basic Information

Catalog Number:

85608-3-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10137

GenBank Accession Number:

BC058003

GeneID (NCBI):

80896

UNIPROT ID:

Q9BXD5

Full Name:

N-acetylneuraminate pyruvate lyase (dihydrodipicolinate synthase)

Calculated MW:

27 kDa, 35 kDa

Observed MW:

35 kDa

Purification Method:

Protein A purification

CloneNo.:

243037E2

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

The N-acetylneuraminate lyase(NPL) from human (hNAL) which consists of 320 amino acids, has a molecular mass of 35.2 kDa and it catalyses the reversible aldol reaction of sialic acid, and has been extensively used in the synthesis of sialic acids and its analogues(PMID:19057931). The enzyme is widely distributed and are present in numerous pro- and eukaryotic cells, in which they are localized only in the cytosol(PMID:12453637). It belongs to the DHDPS family and has 5 isoforms produced by alternative splicing.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

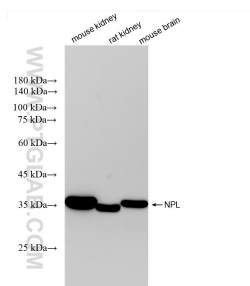
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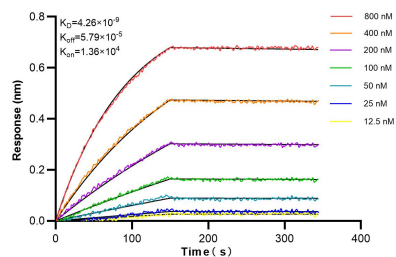
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85608-3-RR (NPL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85608-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85608-3-RR against Human NPL were performed. The affinity constant is 4.26 nM.