

For Research Use Only

SIAE Polyclonal antibody

Catalog Number: 14566-1-AP



Basic Information

Catalog Number:

14566-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6143

GenBank Accession Number:

BC068450

GeneID (NCBI):

54414

UNIPROT ID:

Q9HAT2

Full Name:

sialic acid acetyltransferase

Calculated MW:

58 kDa

Observed MW:

62-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse testis tissue, rat heart tissue, rat testis tissue

Background Information

Sialic acids as terminal sugars of N- and O-glycosylated macromolecules are decisive for the functions of glycoconjugates both in soluble form and integrated into cell membranes. The two enzymes responsible for acetylation and de-acetylation have been described as sialate O-acetyltransferase (SOAT) and sialate O-acetyltransferase (SIAE), respectively. SIAE deacetylates α(2-6)-linked sialic acid on N-linked glycans of BCR, allowing the interaction with CD22, that functions in vivo as an inhibitor of BCR signaling. (PMID: 26022516)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

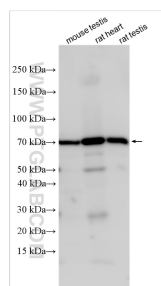
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14566-1-AP (SIAE antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.