

For Research Use Only

# SIAE Polyclonal antibody, PBS Only

Catalog Number: 14566-1-PBS



## Basic Information

Catalog Number:

14566-1-PBS

Size:

1mg/ml

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

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

## 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  $\alpha$  (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  $-80^{\circ}\text{C}$ .

**The product is shipped with ice packs. Upon receipt, store it immediately at  $-80^{\circ}\text{C}$**

Storage Buffer:

PBS Only

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

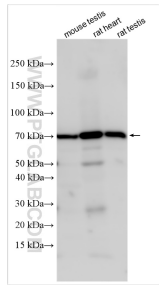
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.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. This data was developed using the same antibody clone with 14566-1-PBS in a different storage buffer formulation.