

**SIAE Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP56709**

## Specification

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### SIAE Polyclonal Antibody - Product Information

Application	<b>WB, IHC-P</b>
Primary Accession	<a href="#">O9HAT2</a>
Reactivity	<b>Rat, Dog, Bovine</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>58315</b>

### SIAE Polyclonal Antibody - Additional Information

**Gene ID** 54414

#### Other Names

Sialate O-acetyltransferase, 3.1.1.53, H-Lse, Sialic acid-specific 9-O-acetyltransferase, SIAE, YSG2

#### 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.

### SIAE Polyclonal Antibody - Protein Information

**Name** SIAE

**Synonyms** YSG2

#### Function

Catalyzes the removal of O-acetyl ester groups from position 9 of the free diacetylated sialate N-acetyl-9-O-acetylneuraminic acid (Neu5,9Ac2) in the cytosol and of the diacetylated sialate residues of sialylglycoconjugates in the lysosomes (Probable). Together with the sialate-O-acetyltransferase they regulate the balance of acetylated sialoglycoconjugates, key players in various processes such as cell-cell interactions, host-pathogen recognition, and tumor antigenicity (PubMed: <a href="http://www.uniprot.org/citations/21803834" target="\_blank">21803834</a>).

#### Cellular Location

[Isoform 1]: Lysosome

#### Tissue Location

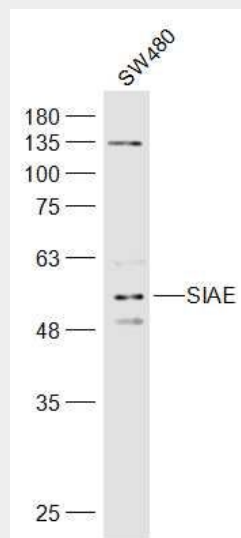
Widely expressed with high expression in the testis, prostate, and colon.

## SIAE 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](#)

## SIAE Polyclonal Antibody - Images



### Sample:

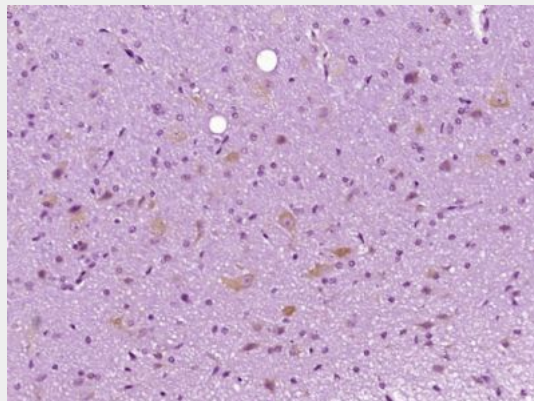
SW480(Human) Cell Lysate at 40 ug

Primary: Anti-SIAE(bs-17480R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

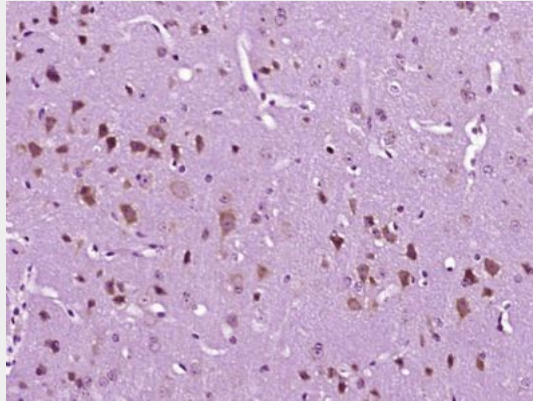
Predicted band size: 56 kD

Observed band size: 56 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20

minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SIAE) Polyclonal Antibody, Unconjugated (bs-17480R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SIAE) Polyclonal Antibody, Unconjugated (bs-17480R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.