

Product datasheet

Anti-SIAE antibody ab69300

2 Images

Overview

Product name	Anti-SIAE antibody
Description	Mouse polyclonal to SIAE
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Full length human SIAE protein (NP_733746.1)
Positive control	Human colon tissue lysate. SIAE transfected 293T cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab69300** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 58 kDa (predicted molecular weight: 58 kDa).

Target

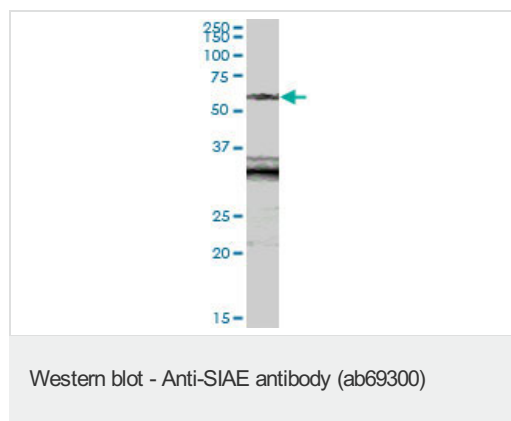
Relevance

Sialic acids are acidic 9-carbon sugars typically found at the non-reducing end of sugar chains. They are frequently modified by 9-O-acetylation and this modification is removed by sialic acid acetyltransferases. SIAE catalyzes the removal of O-acetyl ester groups from position 9 of the parent sialic acid, N-acetylneuraminic acid. SIAE appears to encode both lysosomal and cytosolic sialic acid acetyltransferase isoforms (LSE and CSE, respectively). It is widely expressed with high expression in the testis, prostate, and colon. There are three named isoforms.

Cellular localization

Lysosome

Images



Anti-SIAE antibody (ab69300) at 1/500 dilution + human colon tissue lysate at 25 µg

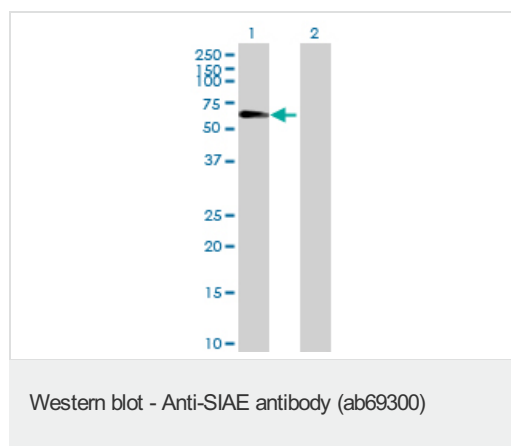
Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

Predicted band size: 58 kDa

Observed band size: 58 kDa

Additional bands at: 21 kDa, 26 kDa, 32 kDa, 35 kDa. We are unsure as to the identity of these extra bands.



All lanes : Anti-SIAE antibody (ab69300) at 1/500 dilution

Lane 1 : SIAE transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

Predicted band size: 58 kDa

Observed band size: 58 kDa

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