




Product datasheet

Anti-ST3Gal I antibody ab172134

1 Image

Overview

Product name	Anti-ST3Gal I antibody
Description	Rabbit polyclonal to ST3Gal I
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee 
Immunogen	Full length protein corresponding to Human ST3Gal I aa 1-340. Sequence: MVTLRKRTLKVLTFLLVLFIFLTSFFLNYSHTMVATTWFP KQMVLELSENL KRLIKHRPCTCTHCIGQRKLSAWFDERFNQTMQPLLTA QNALLEDDTYRW WLRQLQREKKPNNLNDTIKELFRVVPGNVDPMLEKRSV GCRRCAVVGNSGN LRESSYGPEIDSHDFVLRMNKAPTAGFEADVGTKTTH HLVYPESFRELGD NVSMILVPFKTIDLEWVVSAITTGTISHTYIPVPAKIRVKQ DKILYHPA FIKYVFDNLWLGHGGRYPSTGILSVIFSMHVCDEVLDYG FGADSKGNWHHY WENNPSAGAFRKTGVHDADFESNVTATLASINKIRIFK GR Database link: NP_003024.1  Run BLAST with  Run BLAST with
Positive control	ST3Gal I transfected 293T cell line lysate.
General notes	Previously labelled as SIAT4A.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long

term. Avoid freeze / thaw cycle.

Storage buffer

pH: 7.2
Constituent: 100% PBS

Purity

Protein A purified

Clonality

Polyclonal

Isotype

IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab172134** 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		Use a concentration of 1 µg/ml. Predicted molecular weight: 39 kDa.

Target

Function

It may be responsible for the synthesis of the sequence NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc- found on sugar chains O-linked to Thr or Ser and also as a terminal sequence on certain gangliosides. SIAT4A and SIAT4B sialylate the same acceptor substrates but exhibit different Km values.

Tissue specificity

Expressed in several tissues. Highest expression in lung, liver, skeletal muscle, kidney, pancreas, spleen and placenta.

Pathway

Protein modification; protein glycosylation.

Sequence similarities

Belongs to the glycosyltransferase 29 family.

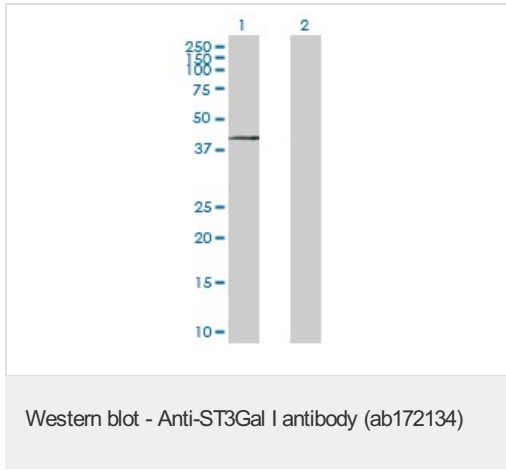
Post-translational modifications

The soluble form derives from the membrane form by proteolytic processing.

Cellular localization

Golgi apparatus > Golgi stack membrane. Secreted. Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid.

Images



All lanes : Anti-ST3Gal I antibody (ab172134) at 1 µg/ml

Lane 1 : ST3Gal I transfected 293T cell line lysate

Lane 2 : Non-transfected 293T cell line lysate

Lysates/proteins at 15 µl per lane.

Secondary

All lanes : Goat anti-Rabbit IgG at 1/7500 dilution

Predicted band size: 39 kDa

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