



Rabbit Anti-SIAT4A antibody

SL17483R

Product Name:	SIAT4A
Chinese Name:	唾液酸转移酶4A抗体
Alias:	3-GalNAc-alpha-2; 3-sialyltransferase 1; 3-sialyltransferase; 3-ST 1; Alpha 2; Alpha 23 ST; Beta galactoside alpha 23 sialyltransferase; Beta-galactoside alpha-2; beta-galactoside alpha-2,3-sialyltransferase 1; CMP N acetylneuraminate beta galactosamide alpha 23 sialyltransferase; CMP-N-acetylneuraminate-beta-galactosamide-alpha-2; DKFZp666E036; DKFZp779K2051; FLJ36548; Gal beta 13 GalNAc alpha 23 sialyltransferase; Gal NAc6S; Gal-beta-1; Gal-NAc6S; MGC9183; OTTHUMP00000226912; OTTHUMP00000226913; SIA4A_HUMAN; Sialyltransferase 4A; SIAT4-A; SIAT4A; SIATFL; ST3Gal I; ST3GAL1; ST3GalA; ST3GalA.1; ST3GalI; ST3GalIA; ST3O.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	39kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SIAT4A:151-250/340
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.

PubMed:[PubMed](#)

The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein is normally found in the Golgi but can be proteolytically processed to a soluble form. Correct glycosylation of the encoded protein may be critical to its sialyltransferase activity. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4B. Two transcript variants encoding the same protein have been found for this gene. Other transcript variants may exist, but have not been fully characterized yet. [provided by RefSeq, Jul 2008]

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.

Subcellular Location:

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

Tissue Specificity:

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

Post-translational modifications:

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

Similarity:

Belongs to the glycosyltransferase 29 family.

SWISS:

Q11201

Gene ID:

6482

Database links:

[Entrez Gene: 6482](#) Human

[Entrez Gene: 282351](#) Cow

[Omim: 607187](#) Human

[SwissProt: Q11201](#) Human

Product Detail:

[Unigene: 374257](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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