

Product datasheet for **TA307977**

SIAT4A (ST3GAL1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 195 of SIAT4A (Uniprot ID#Q11201)
Formulation:	1XPBS, 1% BSA, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	39 kDa
Gene Name:	ST3 beta-galactoside alpha-2,3-sialyltransferase 1
Database Link:	NP_003024 Entrez Gene 6482 Human Q11201
Background:	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]
Synonyms:	1; Gal-NAc6S; SIAT4A; SIATFL; ST3GalA; ST3GalA.1; ST3GalIA; ST3O

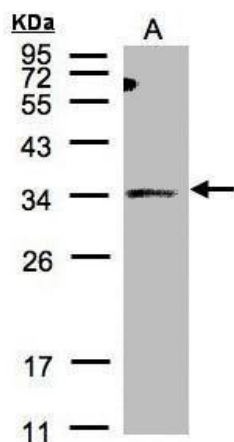


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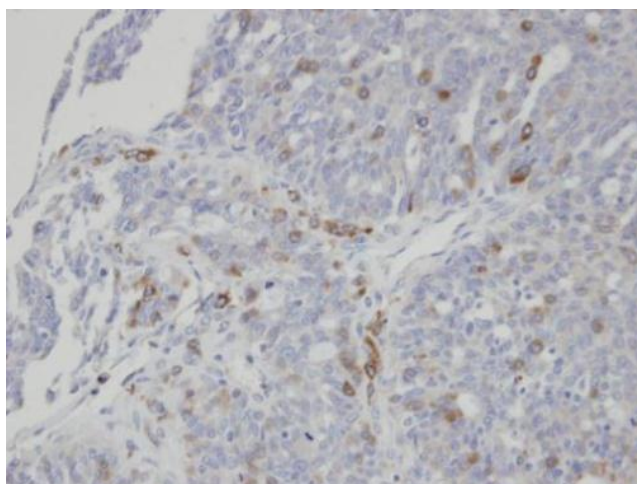
Protein Families: Secreted Protein, Transmembrane

Protein Pathways: Glycosphingolipid biosynthesis - ganglio series, Glycosphingolipid biosynthesis - globo series, Keratan sulfate biosynthesis, Metabolic pathways, O-Glycan biosynthesis

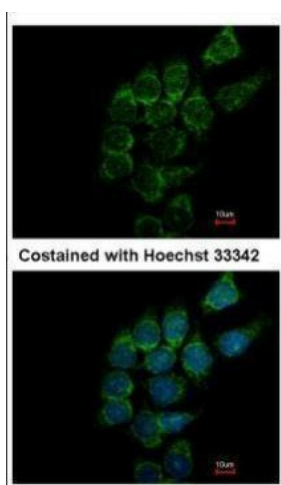
Product images:



Sample (30 ug of whole cell lysate). A:HeLa S3. 12% SDS PAGE. TA307977 diluted at 1:500



Immunohistochemical analysis of paraffin-embedded serous OVCA, using ST3GAL1 (TA307977) antibody at 1:100 dilution.



Immunofluorescence analysis of methanol-fixed Hep3B, using SIAT4A (TA307977) antibody at 1:500 dilution.