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Product datasheet for TA356524

SIAT4A (ST3GAL1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ST3GAL1
Specificity:	**Expected reactivity**: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish **Homology**: Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	39kDa
Gene Name:	ST3 beta-galactoside alpha-2,3-sialyltransferase 1
Database Link:	NP_003024 Entrez Gene 6482 Human Q11201

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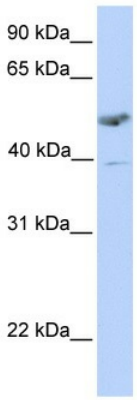
Background: ST3GAL1 is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. It is normally found in the Golgi but can be proteolytically processed to a soluble form. Correct glycosylation of ST3GAL1 protein may be critical to its sialyltransferase activity. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4B.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.

Synonyms: CMP-N-acetylneuraminate-beta-galactosamide-alpha-2; DKFZp666E036; DKFZp779K2051; FLJ36548; Gal-beta-1,3-GalNAc-alpha-2,3-sialyltransferase; Gal-NAc6S; MGC9183; SIAT4; SIAT4-A; SIAT4A; SIATFL; ST3GalA; ST3GalA.1; ST3GalIA; ST3GalIA,1; ST3O

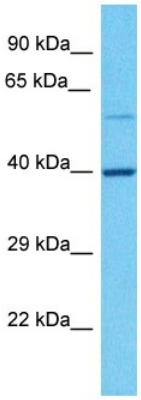
Protein Families: Secreted Protein, Transmembrane

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

Product images:



WB Suggested Anti-ST3GAL1 Antibody Titration: 0.2-1 ug/ml
Positive Control: Human Placenta



Host: Rabbit
Target Name: ST3GAL1
Sample Type: OVCAR-3 Cell Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: ST3GAL1
Sample Tissue: Human OVCAR-3 Whole Cell
Antibody Dilution: 1ug/ml