

Anti-ST3GAL2 Antibody

**Description**

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. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4A.

Model	STJ115685
Host	Rabbit
Reactivity	Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 30-210 of human ST3GAL2 (NP_008858.1).
Gene ID	6483
Gene Symbol	ST3GAL2
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highly expressed in skeletal muscle and heart and to a much lesser extent in brain, placenta, liver and pancreas, Scarcely detectable in lung and kidney
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 2 Alpha 2,3-ST 2 Beta-galactoside alpha-2,3-sialyltransferase 2

Molecular Weight	40.173 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:10863 OMIM:607188 Reactome:R-HSA-2022854
Alternative Names	CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 2 Alpha 2,3-ST 2 Beta-galactoside alpha-2,3-sialyltransferase 2
Function	Responsible for the synthesis of the sequence NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc- found in terminal carbohydrate groups of certain glycoproteins, oligosaccharides and glycolipids, SIAT4A and SIAT4B sialylate the same acceptor substrates but exhibit different Km values,
Cellular Localization	Golgi apparatus, Golgi stack membrane
Post-translational Modifications	The soluble form derives from the membrane form by proteolytic processing,

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