

ST3GAL2 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant ST3GAL2.****Catalog # AT4051a****Specification**

ST3GAL2 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, E
Primary Accession	Q16842
Other Accession	NM_006927
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	40173

ST3GAL2 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 6483**Other Names**

CMP-N-acetylneuraminate-beta-galactosamide-alpha-2, 3-sialyltransferase 2, Alpha 2, 3-ST 2, Beta-galactoside alpha-2, 3-sialyltransferase 2, Gal-NAc6S, Gal-beta-1, 3-GalNAc-alpha-2, 3-sialyltransferase, ST3Gal II, ST3GalIII, ST3GalA2, Sialyltransferase 4B, SIAT4-B, ST3GAL2, SIAT4B

Target/Specificity

ST3GAL2 (NP_008858, 28 a.a. ~ 127 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

ST3GAL2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

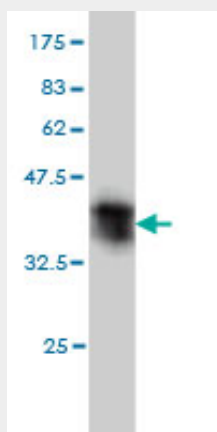
ST3GAL2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

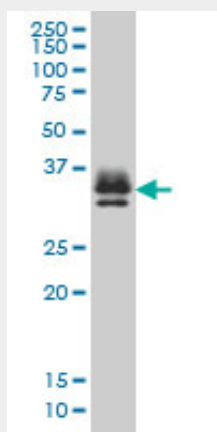
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

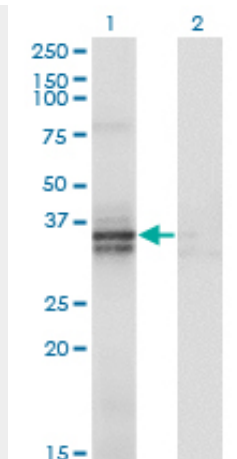
ST3GAL2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



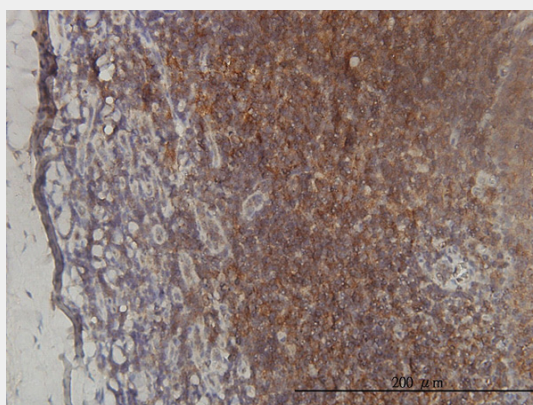
ST3GAL2 monoclonal antibody (M01), clone 1E12 Western Blot analysis of ST3GAL2 expression in K-562 ((Cat # AT4051a)



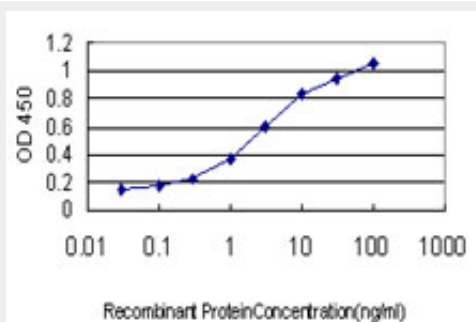
Western Blot analysis of ST3GAL2 expression in transfected 293T cell line by ST3GAL2 monoclonal antibody (M01), clone 1E12.

Lane 1: ST3GAL2 transfected lysate (Predicted MW: 40.2 KDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to ST3GAL2 on formalin-fixed paraffin-embedded human tonsil tissue. [antibody concentration 1 ~ 10 ug/ml]



Detection limit for recombinant GST tagged ST3GAL2 is approximately 0.03ng/ml as a capture antibody.

ST3GAL2 Antibody (monoclonal) (M01) - 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. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase

4A.

ST3GAL2 Antibody (monoclonal) (M01) - References

Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348. A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039. Human alpha2,3-sialyltransferase (ST3Gal II) is a stage-specific embryonic antigen-4 synthase. Saito S, et al. J Biol Chem, 2003 Jul 18. PMID 12716912.