

DNAxPAb

Hard-to-Find
Antibody

ST3GAL1 DNAxPab

Catalog # H00006482-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ST3GAL1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MVTLRKRTLKVLTFVLVFI LTSFFLNYSHTMVATTWFPKQMVLESENKRLIKHRPCTCTHCIGQR KLSAWFDERFNQTMQPLLTAQNALLEDDTYRWWLRLQREKKPNNLNDTIKELFRVVPGNVDPML EKRSVGCRRCAVVGNSGNLRESSYGPEIDSHDFVLRMNKAPTAGFEADVGTKTTHHLVYPESFR ELGDNVSMILVPFKTIDLEWVVS AITTGTISHTYIPVPAKIRVKQDKILMHPAFIKYVFDNWLQGHGRY PSTGILSVIFSMHVCDEV DLYGFGADSKGNWHHYWENNPSAGAFRKTGVHDADFESNVTATLASI NKIRIFKGR
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — ST3GAL1

Entrez GeneID	6482
GeneBank Accession#	NM_003033.2
Protein Accession#	NP_003024.1
Gene Name	ST3GAL1
Gene Alias	DKFZp666E036, DKFZp779K2051, FLJ36548, Gal-NAc6S, MGC9183, SIAT4A, SIATFL, ST3GalA, ST3GalA.1, ST3GalA, ST3GalA.1, ST3O
Gene Description	ST3 beta-galactoside alpha-2,3-sialyltransferase 1
Omim ID	607187
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase Gal-beta-1,3-GalNAc-alpha-2,3-sialyltransferase alpha 2,3-ST sialyltransferase 4A (beta-galactosidase alpha-2,3-sialyltransferase) sialyltransferase 4A (beta-galactoside alpha-2,3-sialyltransferase)

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)
- [Glycosphingolipid biosynthesis - globo series](#)
- [Keratan sulfate biosynthesis](#)
- [Metabolic pathways](#)
- [O-Glycan biosynthesis](#)

Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)