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ST6GAL1 Polyclonal Antibody

Catalog # AP74030

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	P15907
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46605

Additional Information

Gene ID	6480
Other Names	Beta-galactoside alpha-2, 6-sialyltransferase 1 (Alpha 2, 6-ST 1) (EC 2.4.99.1) (B-cell antigen CD75) (CMP-N-acetylneuraminate-beta-galactosamide-alpha-2, 6-sialyltransferase 1) (ST6Gal I) (ST6GalI) (Sialyltransferase 1)
Dilution	WB~~1:1000 IHC-P~~IHC-p 1:50-200, ELISA 1:10000-20000 IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

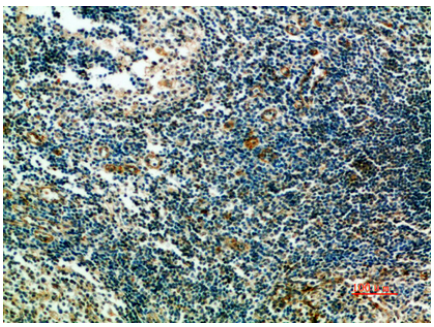
Name	ST6GAL1
Synonyms	SIAT1
Function	Transfers sialic acid from CMP-sialic acid to galactose- containing acceptor substrates. In B lymphocytes, generates neuraminidase-sensitive lymphocyte cell-surface differentiation antigens, such as CDw75, HB-6 and CD76 (PubMed:1730763). Sialylates complex-type N-glycans attached on the fragment crystallizable (Fc) of IgGs conferring anti-inflammatory effector functions. Preferentially monosialylates the alpha(1->3) mannose antenna of Fc glycoforms with subsequent disialylation occurring at a much slower rate.
Cellular Location	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Secreted {ECO:0000250|UniProtKB:P13721}. Note=Membrane-bound form in trans cisternae of Golgi (PubMed:20378551). Secreted into the body fluid (By similarity). Colocalizes with MGAT3 and B4GALT1 in the Golgi stacks of cisternae, including the cis-part of the Golgi stacks. {ECO:0000250|UniProtKB:P13721, ECO:0000269|PubMed:20378551,

ECO:0000269|PubMed:29133956}

Background

Transfers sialic acid from CMP-sialic acid to galactose- containing acceptor substrates.

Images



Immunohistochemical analysis of paraffin-embedded human-tonsils, antibody was diluted at 1:200

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.