



SIA7D rabbit pAb

Catalog No	YP-Ab-09064
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	ST6GALNAC4 SIAT3C SIAT7D
Immunogen	Synthesized peptide derived from human SIA7D AA range: 194-244
Specificity	This antibody detects endogenous levels of SIA7D at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SIA7D;ST6GALNAC4 SIAT3C SIAT7D
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Golgi apparatus membrane ; Single-pass type II membrane protein .
Tissue Specificity	Ubiquitous.
Function	catalytic activity: CMP-N-acetylneuraminate + N-acetyl-alpha-neuraminyl-(2->3)-beta-D-galactosyl-(1->3)-N-acetyl-D-galactosa minyl-R = CMP + N-acetyl-alpha-neuraminyl-(2->3)-beta-D-galactosyl-(1->3)-(N-acetyl-alpha-neura minyl-(2->6))-N-acetyl-D-galactosaminyl-R.,function:Involved in the biosynthesis of ganglioside GD1A from GM1B. Transfers CMP-NeuAc with an alpha-2,6-linkage to GalNAc residue on NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc of glycoproteins and glycolipids. Prefers glycoproteins to glycolipids.,online information:GlycoGene database,online information:ST6GalNAc IV, pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 29 family.,tissue specificity:Ubiquitous.,



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 prefers glycoproteins rather than glycolipids as substrates and shows restricted substrate specificity, utilizing only the trisaccharide sequence Neu5Ac-alpha-2,3-Gal-beta-1,3-GalNAc. In addition, it is involved in the synthesis of ganglioside GD1A from GM1B. The encoded protein is normally found in the Golgi apparatus but can be proteolytically processed to a soluble form. This protein is a member of glycosyltransferase family 29. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

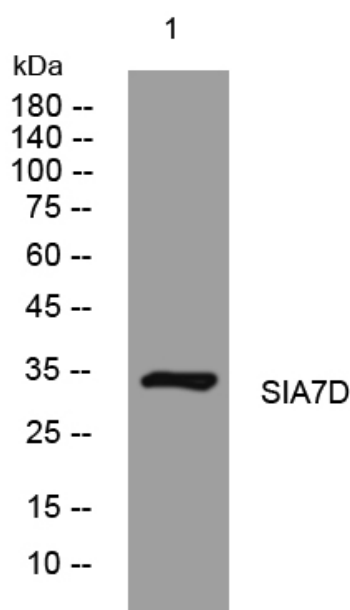
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4° over night