Best Tools for immunology Research

SIAT9 rabbit pAb

Catalog No :	YT7652
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	SIAT9
Fields :	>>Glycosphingolipid biosynthesis - ganglio series;>>Metabolic pathways
Gene Name :	ST3GAL5 SIAT9 UNQ2510/PRO5998
Protein Name :	SIAT9
Human Gene Id :	8869
Human Swiss Prot No :	Q9UNP4
Mouse Gene Id :	20454
Mouse Swiss Prot No :	O88829
Rat Gene Id :	83505
Rat Swiss Prot No :	Q68G12
Immunogen :	Synthesized peptide derived from human SIAT9 AA range: 157-207
Specificity :	This antibody detects endogenous levels of SIAT9 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 46kD

Background : Ganglioside GM3 is known to participate in the induction of cell differentiation, modulation of cell proliferation, maintenance of fibroblast morphology, signal transduction, and integrin-mediated cell adhesion. The protein encoded by this gene is a type II membrane protein which catalyzes the formation of GM3 using lactosylceramide as the substrate. The encoded protein is a member of glycosyltransferase family 29 and may be localized to the Golgi apparatus. Mutation in this gene has been associated with Amish infantile epilepsy syndrome. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

Function : catalytic activity:CMP-N-acetylneuraminate + beta-D-galactosyl-(1->4)-beta-D-glucosyl-(11)-ceramide = CMP + alpha-N-acetylneuraminyl-(2->3)-beta-D-galactosyl-(1->4)-beta-D-glucosyl-(11)-ceramide.,disease:Defects in ST3GAL5 are the cause of Amish infantile epilepsy syndrome (AIES) [MIM:609056]. AIES is an autosomal recessive, infantile-onset symptomatic epilepsy associated with developmental stagnation and blindness.,function:Catalyzes the formation of ganglioside GM3 (alpha-N-acetylneuraminyl-2,3-beta-D-galactosyl-1, 4-beta-D-glucosylceramide).,online information:GlycoGene database,online information:ST3Gal V,PTM:N-glycosylated.,similarity:Belongs to the glycosyltransferase 29 family.,tissue specificity:Ubiquitous. High expression in brain, skeletal muscle, placenta, and testis.,

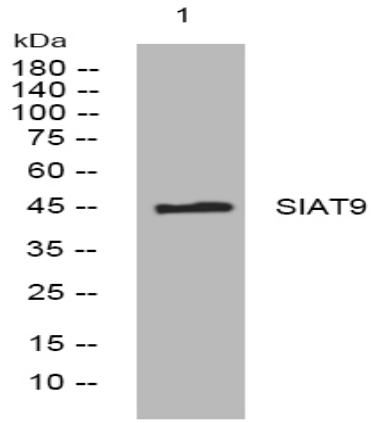
Subcellular Location : Golgi apparatus membrane ; Single-pass type II membrane protein .

Expression : Ubiquitous. High expression in brain, skeletal muscle, placenta, and testis. mRNA widely distributed in human brain, but slightly elevated expression was observed in the cerebral cortex, temporal lobe, and putamen.

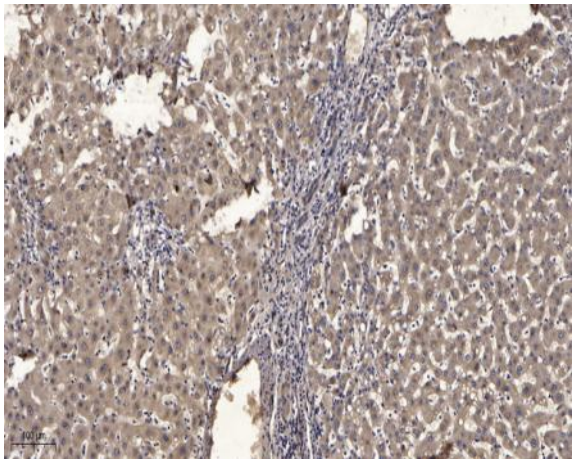
Sort : 16327

No4 : 1

Products Images



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



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).