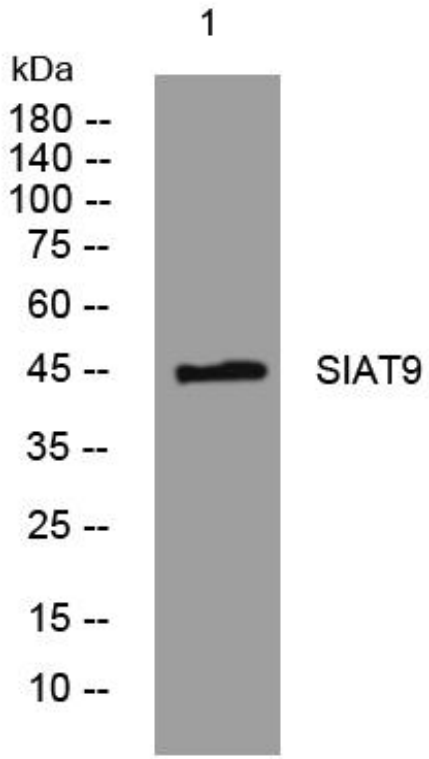
SIAT9 mouse mAb

Catalog No	YP-mAb-12286
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	ST3GAL5 SIAT9 UNQ2510/PRO5998
Protein Name	SIAT9
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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Golgi apparatus membrane ; Single-pass type II membrane protein .
Tissue Specificity	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.
Function	catalytic activity:CMP-N-acetylneuraminate + beta-D-galactosyl-(1->4)-beta-D-glucosyl-(1<->1)-ceramide = CMP + alpha-N-acetylneuraminyl-(2->3)-beta-D-galactosyl-(1->4)-beta-D-glucosyl-(1<->1)-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.,
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],
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 various cells using SIAT9 mouse mAb