



SIAT9 mouse mAb

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| Catalog No | BYmab-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 1:500-2000 |
| 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 |

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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],

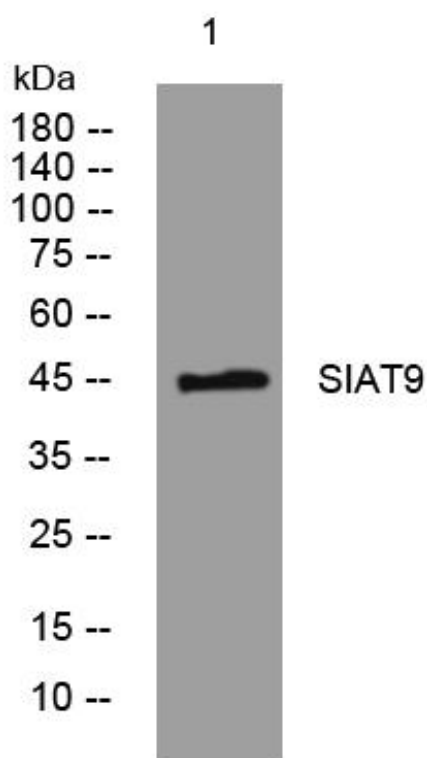
matters needing attention

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