ST8SIA1 Mouse mAb

Catalog No	YP-mAb-19594
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	ST8SIA1 SIAT8 SIAT8A
Immunogen	Synthesized peptide derived from human ST8SIA1. AA range:36-136
Specificity	This antibody detects endogenous levels of ST8SIA1 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	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	ST8SIA1 SIAT8 SIAT8A;Alpha-N-acetylneuraminide alpha-2,8-sialyltransferase (Alpha-2,8-sialyltransferase 8A) (Ganglioside GD3 synthase) (Ganglioside GT3 synthase) (Sialyltransferase 8A) (SIAT8-A) (Sialytransferase St8Sia I) (ST8SiaI)
Observed Band	
Calculated Molecular Weight	41 kDa
Cell Pathway	Golgi apparatus membrane ; Single-pass type II membrane protein .
Tissue Specificity	Strongly expressed in melanoma cell lines , adult and fetal brain and to a lesser extent in adult and fetal lung.
Function	Catalyzes the addition of sialic acid in alpha 2 ,8-linkage to the sialic acid moiety of the ganglioside GM3 to form ganglioside GD3; gangliosides are a subfamily of complex glycosphinglolipds that contain one or more residues of sialic acid . Can catalyze the addition of a second alpha-2 ,8-sialic acid to GD3 to form GT3 . Can use GM1b , GD1a and GT1b as acceptor substrates to synthesize GD1c , GT1a and GQ1b respectively . Can synthesize unusual tetra- and pentasialylated lactosylceramide derivatives identified as GQ3 (II3Neu5Ac4-Gg2Cer) and GP3 (II3Neu5Ac5-Gg2Cer) in breast cancer cells .
Background	

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