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CA 19-9

Mouse Monoclonal antibody(Mab)
Catalog # AD80280

Product Information

Application	IHC-P
Primary Accession	Q969X2
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	234F7C1
Calculated MW	38068

Additional Information

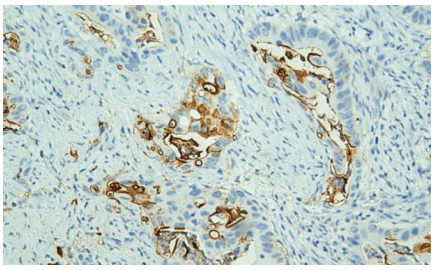
Gene ID	30815
Gene Name	ST6GALNAC6
Other Names	Alpha-N-acetylgalactosaminide alpha-2, 6-sialyltransferase 6, 2.4.99.-, GalNAc alpha-2, 6-sialyltransferase VI, ST6GalNAc VI, ST6GalNAcVI, hST6GalNAc VI, Sialyltransferase 7F, SIAT7-F, ST6GALNAC6, SIAT7F
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	CA 19-9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ST6GALNAC6
Synonyms	SIAT7F
Function	Transfers the sialyl group (N-acetyl-alpha-neuraminyl or NeuAc) from CMP-NeuAc onto glycoproteins and glycolipids, forming an alpha-2,6-linkage. Produces branched type disialyl structures by transfer of a sialyl group onto the GalNAc or GlcNAc residue inside backbone core chains having a terminal sialic acid with an alpha-2,3- linkage on Gal. ST6GalNAcVI prefers glycolipids to glycoproteins, predominantly catalyzing the biosynthesis of ganglioside GD1alpha from GM1b (PubMed:12668675, PubMed:17123352). Besides GMb1, MSGG and other glycolipids, it shows activity towards sialyl Lc4Cer generating disialyl Lc4Cer, which can lead to the synthesis of disialyl Lewis a (Le(a)), suggested to be a cancer-associated antigen (PubMed:12668675). Also has activity toward GD1a and GT1b, and can generate DSGG (disialylgalactosylgloboside) from MSGG (monosialylgalactosylgloboside) (By similarity).
Cellular Location	Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location	Expressed in kidney, in proximal tubule epithelial cells. Expressed in colon cell lines.

Images



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