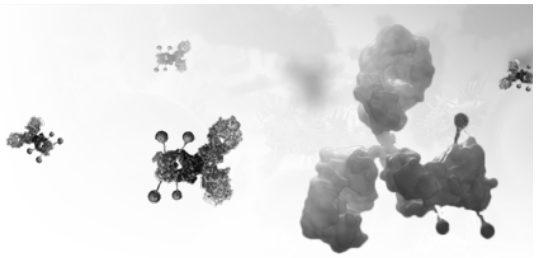

Mouse anti-Human GAL3ST1 monoclonal antibody, clone 5G7 (CABT-B10299)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	GAL3ST1 (NP_004852, 324 a.a. ~ 424 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	5G7
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	RERMAREVAALRHANERMRTICIDGGHAVDAAAIQDEAMQPWQPLGTKSILGYNLKKSIG QRHAQLCRRMLTPEIQYLMDLGANLWVTKLWKFIRDFLRW*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Sulfonation, an important step in the metabolism of many drugs, xenobiotics, hormones, and neurotransmitters, is catalyzed by sulfotransferases. The product of this gene is

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	galactosylceramide sulfotransferase which catalyzes the conversion between 3-phosphoadenylylsulfate + a galactosylceramide to adenosine 3,5-bisphosphate + galactosylceramide sulfate. Activity of this sulfotransferase is enhanced in renal cell carcinoma. [provided by RefSeq, Jul 2008]
Keywords	GAL3ST1; galactose-3-O-sulfotransferase 1; CST; galactosylceramide sulfotransferase; GalCer sulfotransferase; cerebroside sulfotransferase; 3-phosphoadenosine-5-phosphosulfate:GalCer sulfotransferase; 3-phosphoadenylylsulfate:galactosylceramide 3-sulfotransferase; cerebroside (3-phosphoadenylylsulfate:galactosylceramide 3) sulfotransferase;

GENE INFORMATION

Entrez Gene ID	9514
UniProt ID	Q99999
Pathway	Metabolic pathways, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, conserved biosystem
Function	galactosylceramide sulfotransferase activity; sulfotransferase activity; transferase activity

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