



Anti-GAL3ST1 monoclonal antibody (DCABH-11659)

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

PRODUCT INFORMATION

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| Antigen Description | Sulfonation, an important step in the metabolism of many drugs, xenobiotics, hormones, and neurotransmitters, is catalyzed by sulfotransferases. The product of this gene is 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. |
| Immunogen | A synthetic peptide of human GAL3ST1 is used for rabbit immunization. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Protein A |
| Conjugate | Unconjugated |
| Applications | Western Blot (Transfected lysate); ELISA |
| Buffer | In 1x PBS, pH 7.4 |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

Gene Name [GAL3ST1 galactose-3-O-sulfotransferase 1 \[Homo sapiens \]](#)

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| Official Symbol | GAL3ST1 |
| Synonyms | GAL3ST1; galactose-3-O-sulfotransferase 1; galactosylceramide sulfotransferase; cerebroside (3 phosphoadenylylsulfate:galactosylceramide 3) sulfotransferase; CST; GalCer sulfotransferase; cerebroside sulfotransferase; 3-phosphoadenosine-5-phosphosulfate:GalCer sulfotransferase; 3-phosphoadenylylsulfate:galactosylceramide 3-sulfotransferase; cerebroside (3-phosphoadenylylsulfate:galactosylceramide 3) sulfotransferase; |
| Entrez Gene ID | 9514 |
| Protein Refseq | NP_004852 |
| UniProt ID | A0A024R1D7 |
| Chromosome Location | 22q12.2 |
| Pathway | Cerebroside and sulfatide biosynthesis, organism-specific biosystem; Cerebroside and sulfatide biosynthesis, conserved biosystem; Glycosphingolipid metabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; |
| Function | galactosylceramide sulfotransferase activity; sulfotransferase activity; transferase activity; |