abcam

Product datasheet

Anti-GAL3ST1/Cerebroside sulfotransferase antibody ab232758

1 References 4 Images

Overview

Product name	Anti-GAL3ST1/Cerebroside sulfotransferase antibody
Description	Rabbit polyclonal to GAL3ST1/Cerebroside sulfotransferase
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Recombinant fragment corresponding to Human GAL3ST1/Cerebroside sulfotransferase aa 50-200. (N-terminal His-tag and GST-tag; Expressed in E.coli). Database link: **Q99999** Run BLAST with Run BLAST with
Positive control	WB: Recombinant Human GAL3ST1 /Cerebroside sulfotransferase protein (**ab160525**), Mouse testis tissue lysate; Recombinant human GAL3ST1/Cerebroside sulfotransferase protein. IHC-P: Human kidney and breast cancer tissues.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.

Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab232758 in the following tested applications.

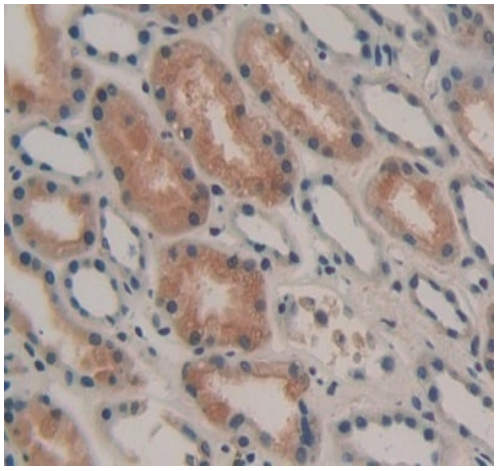
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

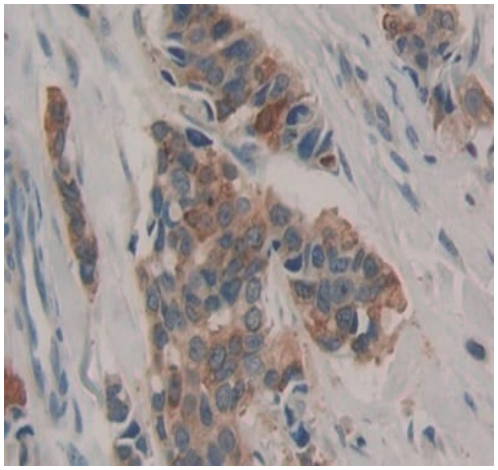
Function	Catalyzes the sulfation of membrane glycolipids. Seems to prefer beta-glycosides at the non-reducing termini of sugar chains attached to a lipid moiety. Catalyzes the synthesis of galactosylceramide sulfate (sulfatide), a major lipid component of the myelin sheath and of monogalactosylalkylacylglycerol sulfate (seminolipid), present in spermatocytes (By similarity). Also acts on lactosylceramide, galactosyl 1-alkyl-2-sn-glycerol and galactosyl diacylglycerol (in vitro).
Tissue specificity	Expressed in kidney proximal tubule, gastric mucosa and adenocarcinoma. Highly expressed in renal cell carcinoma cell lines.
Pathway	Lipid metabolism; sphingolipid metabolism.
Sequence similarities	Belongs to the galactose-3-O-sulfotransferase family.
Cellular localization	Golgi apparatus membrane.

Images



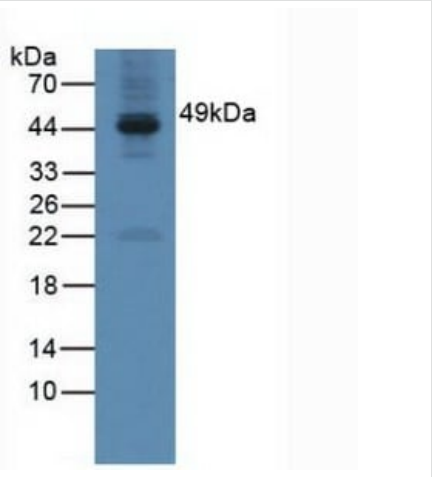
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GAL3ST1/Cerebroside sulfotransferase antibody (ab232758)

Formalin-fixed, paraffin-embedded human kidney tissue stained for GAL3ST1/Cerebroside sulfotransferase using ab232758 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GAL3ST1/Cerebroside sulfotransferase antibody (ab232758)

Formalin-fixed, paraffin-embedded human breast cancer tissue stained for GAL3ST1/Cerebroside sulfotransferase using ab232758 at 20 µg/ml in immunohistochemical analysis. DAB staining.

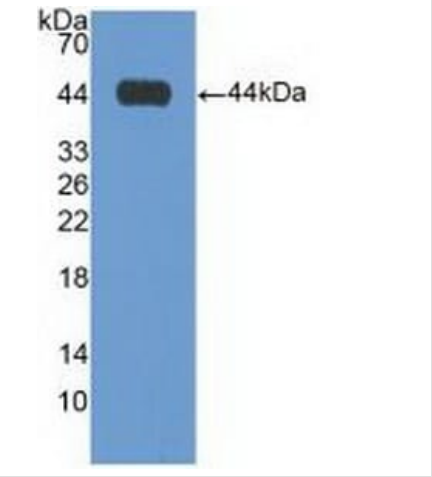


Western blot - Anti-GAL3ST1/Cerebroside sulfotransferase antibody (ab232758)

Anti-GAL3ST1/Cerebroside sulfotransferase antibody (ab232758) at 3 µg/ml + Mouse testis lysate

Secondary

HRP-Linked Guinea pig anti-rabbit at 1/2000 dilution



Western blot - Anti-GAL3ST1/Cerebroside sulfotransferase antibody (ab232758)

Anti-GAL3ST1/Cerebroside sulfotransferase antibody (ab232758) at 3 µg/ml + Recombinant human GAL3ST1/Cerebroside sulfotransferase protein

Secondary

HRP-Linked Guinea pig anti-rabbit at 1/2000 dilution

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