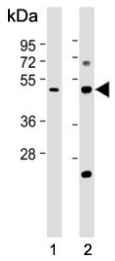
Galactosylceramide sulfotransferase Antibody / GAL3ST1 (F55007)

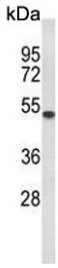
Catalog No.	Formulation	Size
F55007-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55007-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

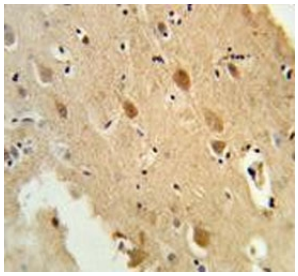
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q99999
Localization	Cytoplasmic
Applications	Flow Cytometry : 1:10-1:50 (1x10e6 cells) Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:50-1:100
Limitations	This Galactosylceramide sulfotransferase antibody is available for research use only.



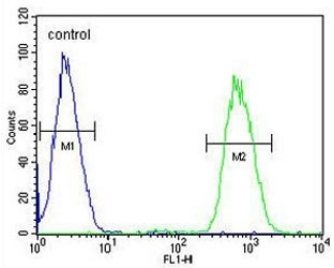
Western blot testing of 1) human kidney and 2) mouse kidney tissue lysate with Galactosylceramide sulfotransferase antibody. Predicted molecular weight ~49 kDa.



Western blot testing of mouse cerebellum tissue lysate with Galactosylceramide sulfotransferase antibody. Predicted molecular weight ~49 kDa.



IHC testing of FFPE human brain tissue with Galactosylceramide sulfotransferase antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human CCRF-CEM cells with Galactosylceramide sulfotransferase antibody; Blue=isotype control, Green= Galactosylceramide sulfotransferase antibody.

Description

Sulfonation, an important step in the metabolism of many drugs, xenobiotics, hormones, and neurotransmitters, is catalyzed by sulfotransferases. GAL3ST1 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Galactosylceramide sulfotransferase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 88-116 from the human protein was used as the immunogen for the Galactosylceramide sulfotransferase antibody.

Storage

Aliquot the Galactosylceramide sulfotransferase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.