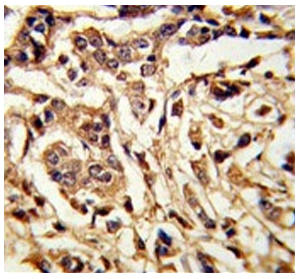
Galactose-1-phosphate uridylyltransferase Antibody / GALT (F54894)

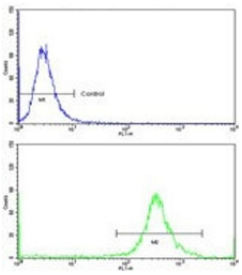
Catalog No.	Formulation	Size
F54894-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54894-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

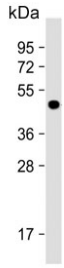
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P07902
Localization	Cytoplasmic
Applications	Flow cytometry: 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE): 1:50-1:100 Western blot: 1:500-1:1000
Limitations	This Galactose-1-phosphate uridylyltransferase antibody is available for research use only.



IHC testing of FFPE human breast carcinoma tissue with Galactose-1-phosphate uridylyltransferase antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human MDA-MB-468 cells with Galactose-1-phosphate uridylyltransferase antibody; Blue=isotype control, Green= Galactose-1-phosphate uridylyltransferase antibody.



Western blot testing of human HepG2 cell lysate with Galactose-1-phosphate uridylyltransferase antibody. Predicted molecular weight ~43 kDa.



Western blot testing of human MDA-MB-231 cell lysate with Galactose-1-phosphate uridylyltransferase antibody. Predicted molecular weight ~43 kDa.

Description

Galactose-1-phosphate uridyl transferase (GALT) catalyzes the second step of the Leloir pathway of galactose metabolism, namely the conversion of UDP-glucose + galactose-1-phosphate to glucose-1-phosphate + UDP-galactose. The absence of this enzyme results in classic galactosemia in humans and can be fatal in the newborn period if lactose is not removed from the diet.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Galactose-1-phosphate uridylyltransferase antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 344-373 from the human protein was used as the immunogen for the Galactose-1-phosphate uridylyltransferase antibody.

Storage

Aliquot the Galactose-1-phosphate uridylyltransferase antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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