

GALM polyclonal antibody

Catalog: BS61444

Host: Rabbit

Reactivity: Human

BackGround:

Galactose Mutarotase is a member of the aldose epimerase family and is involved in hexose metabolism. Through its catalytic activity, Galactose Mutarotase converts β -D-galactose to α -D-galactose on several sugars, including D-glucose, L-arabinose and D-xylose. Found in the cytoplasm of most cells, Galactose Mutarotase plays a key role in galactose metabolism by catalyzing the conversion of β -D-galactose to α -D-galactose. The enzyme contains two residues, Glu 304 and His 170, that are critical for catalysis, as well as His 96 and Asp 243, which are important for proper substrate recognition by the active site. No known diseases have been associated with mutations in the Galactose Mutarotase gene, although inhibition of Galactose Mutarotase activity could potentially be associated with a build-up of unmetabolized sugars during metabolism.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 37 kDa

Swiss-Prot:

Q96C23

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

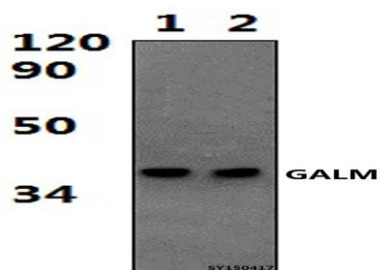
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

GALM polyclonal antibody detects endogenous levels of GALM protein.

DATA:



Western blot (WB) analysis of GALM polyclonal antibody at 1:1000 dilution

Lane1:HEPG2 whole cell lysate (56.4μg)

Lane2:LO2 whole cell lysate (52.8μg)

Note:

For research use only, not for use in diagnostic procedure.

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