

Mutarotase Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57398**Specification**

Mutarotase Polyclonal Antibody - Product Information

Application	WB
Primary Accession	O96C23
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37766

Mutarotase Polyclonal Antibody - Additional Information**Gene ID** 130589**Other Names**

Galactose mutarotase, 5.1.3.3, Aldose 1-epimerase, GALM (HGNC:24063)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Mutarotase Polyclonal Antibody - Protein Information**Name** GALM ([HGNC:24063](#))**Function**

Mutarotase that catalyzes the interconversion of beta-D- galactose and alpha-D-galactose during galactose metabolism (PubMed:12753898). Beta-D-galactose is metabolized in the liver into glucose 1-phosphate, the primary metabolic fuel, by the action of four enzymes that constitute the Leloir pathway: GALM, GALK1 (galactokinase), GALT (galactose-1-phosphate uridylyltransferase) and GALE (UDP-galactose-4'-epimerase) (PubMed:30451973). Involved in the maintenance of the equilibrium between the beta- and alpha-anomers of galactose, therefore ensuring a sufficient supply of the alpha-anomer for GALK1 (PubMed:12753898). Also active on D-glucose although shows a preference for galactose over glucose (PubMed:12753898).

Cellular Location

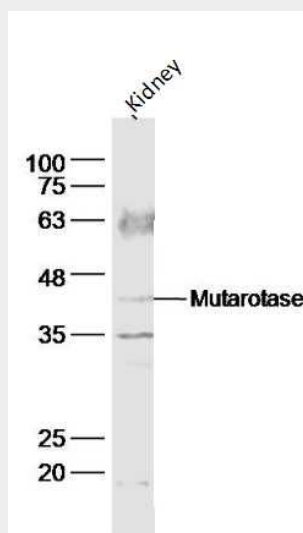
Cytoplasm.

Mutarotase Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Mutarotase Polyclonal Antibody - Images



Sample:

Kidney (Mouse) Lysate at 40 ug

Primary: Anti-Mutarotase (bs-19113R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 38 kD

Observed band size: 38 kD