

GALM Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55113**Specification**

GALM Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	O96C23
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37766

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

Galactose mutarotase, 5.1.3.3, Aldose 1-epimerase, GALM (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=24063)
[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.

GALM 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:<http://www.uniprot.org/citations/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:<http://www.uniprot.org/citations/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:<http://www.uniprot.org/citations/12753898>). Also active on D-glucose although shows a preference for galactose over glucose (PubMed:<http://www.uniprot.org/citations/12753898>).

Cellular Location

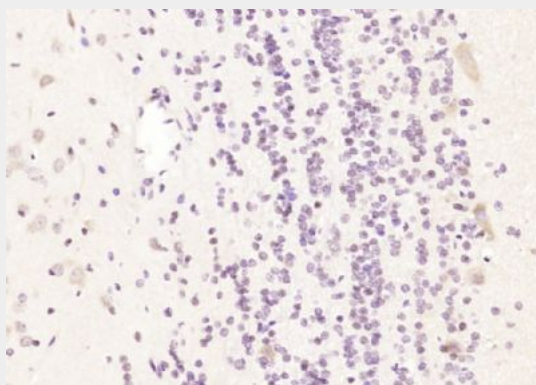
Cytoplasm.

GALM 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](#)

GALM Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GALM) Polyclonal Antibody, Unconjugated (bs-13268R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.