

**Anti-GALM Antibody**  
**Catalog # AP54119****Specification**

---

**Anti-GALM Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q96C23</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 37766                  |

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

Aldose 1-epimerase; Galactose mutarotase

**Target/Specificity**

Recognizes endogenous levels of GALM protein.

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-GALM 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:<a href="http://www.uniprot.org/citations/12753898" target="\_blank">12753898</a>). 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:<a href="http://www.uniprot.org/citations/30451973" target="\_blank">30451973</a>). 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:<a href="http://www.uniprot.org/citations/12753898" target="\_blank">12753898</a>). Also active on D-glucose although shows a preference for galactose over glucose (PubMed:<a href="http://www.uniprot.org/citations/12753898" target="\_blank">12753898</a>).

**Cellular Location**

Cytoplasm.

### **Anti-GALM 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](#)

### **Anti-GALM Antibody - Images**

### **Anti-GALM Antibody - Background**

Rabbit polyclonal antibody to GALM