

For Research Use Only

GALM Polyclonal antibody

Catalog Number: 16022-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 16022-1-AP	GenBank Accession Number: BC019263	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 130589	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:20-1:200
Source: Rabbit	Full Name: galactose mutarotase (aldose 1-epimerase)	
Isotype: IgG	Calculated MW: 342 aa, 38 kDa	
Immunogen Catalog Number: AG8842	Observed MW: 38 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HepG2 cells

IHC : human heart tissue, human brain tissue, human spleen tissue, mouse spleen tissue

Background Information

GALM, also named as Aldose 1-epimerase, belongs to the aldose epimerase family. GALM is a mutarotase that catalyzes the interconversion of beta-D-galactose and alpha-D-galactose during galactose metabolism. GALM is 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. Galm is also active on D-glucose, but its preference for galactose is higher than that of glucose. The calculated molecular weight of GALM is 38 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yoichi Wada	30451973	Genet Med	WB
Jiacheng Xu	35127693	Front Cell Dev Biol	WB,IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

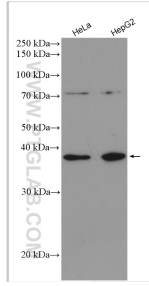
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

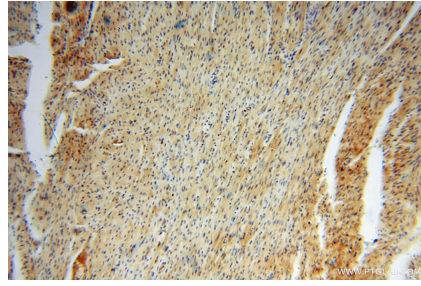
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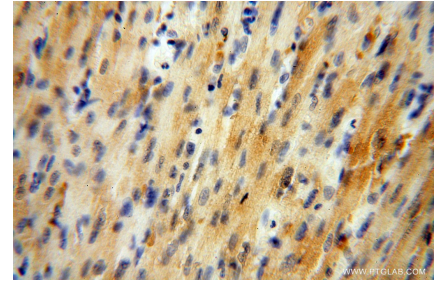
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16022-1-AP (GALM antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart using 16022-1-AP (GALM antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart using 16022-1-AP (GALM antibody) at dilution of 1:50 (under 40x lens).