

Product Name: GALT Rabbit Monoclonal Antibody
Catalog #: AMRe03005



Summary

Production Name	GALT Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	GALT
Alternative Names	Gal-1-P uridylyltransferase; UDP-glucose--hexose-1-phosphate uridylyltransferase
Gene ID	2592
SwissProt ID	P07902

Application

Dilution Ratio	WB: 1/500-1/1000 IP: 1/20
Molecular Weight	Calculated MW: 43 kDa; Observed MW: 43 kDa

Background

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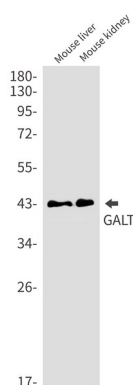


Galactose-1-phosphate uridyl transferase (GALT) catalyzes the second step of the Leloir pathway of galactose metabolism, namely the conversion of UDP-glucose + galactose-1-phosphate to glucose-1-phosphate + UDP-galactose. The absence of this enzyme results in classic galactosemia in humans and can be fatal in the newborn period if lactose is not removed from the diet. The pathophysiology of galactosemia has not been clearly defined. Two transcript variants encoding different isoforms have been found for this gene.

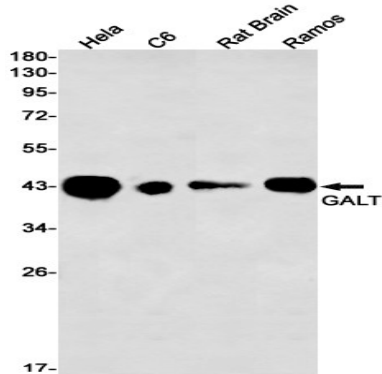
Research Area

Signal Transduction

Image Data



Western blot analysis of GALT in mouse liver, mouse kidney lysates using GALT antibody.



Western blot analysis of GALT in HeLa, C6, rat Brain, Ramos lysates using GALT antibody.

Note

For research use only.