

Datasheet for ABIN5693112  
**anti-GALT antibody (AA 188-379)**



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1 Image

## Overview

Quantity:	100 µg
Target:	GALT
Binding Specificity:	AA 188-379
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GALT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Brand:	Picoband™
Immunogen:	E. coli-derived human GALT recombinant protein (Position: Q188-A379).
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for GALT detection. Tested with WB, Direct ELISA in Human, Mouse, Rat.

## Target Details

Target:	GALT
Alternative Name:	GALT ( <a href="#">GALT Products</a> )
Background:	Synonyms: Galactose-1-phosphate uridylyltransferase, Gal-1-P uridylyltransferase, 2.7.7.12, UDP-

## Target Details

glucose--hexose-1-phosphate uridylyltransferase,GALT,

Background: 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.

Molecular Weight: 43363 MW

UniProt: [P07902](#)

## Application Details

Application Notes: Recommended Detection Systems: Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot.  
Application Details: Western blot, 0.1-0.5 µg/mL  
Direct ELISA, 0.1-0.5 µg/mL

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

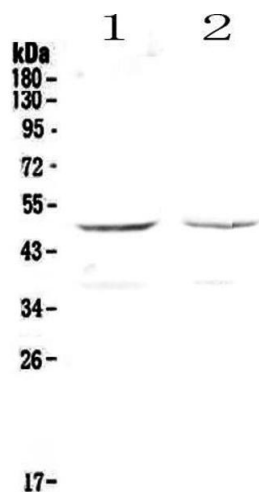
Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg NaN<sub>3</sub>.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



### Western Blotting

**Image 1.** Western blot analysis of GALT using anti-GALT antibody . Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each Lane was loaded with 50ug of sample under reducing conditions. Lane 1: human HepG2 cell lysates, Lane 2: human MCF-7 cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GALT antigen affinity purified polyclonal antibody (Catalog # ) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for GALT at approximately 48KD. The expected band size for GALT is at 43KD.