# Galactose-1-phosphate uridylyltransferase Polyclonal Conjugated Antibody

Catalog No: #C42174

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Package Size: #C42174-AF350 100ul #C42174-AF405 100ul #C42174-AF488 100ul #C42174-AF555 100ul #C42174-AF594 100ul #C42174-AF647 100ul #C42174-AF680 100ul #C42174-AF750 100ul #C42174-Biotin 100ul

## Description

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| Product Name | Galactose-1-phosphate uridylyltransferase Polyclonal Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu Ms |
| Specificity | The antibody detects endogenous level of total Galactose-1-phosphate uridylyltransferase polyclonal antibody. |
| Immunogen Description | Recombinant human Galactose-1-phosphate uridylyltransferase protein |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | UDP-glucose--hexose-1-phosphate uridylyltransferase GALT |
| Accession No. | Swiss-Prot#:P07902 |
| Uniprot | P07902 |
| GeneID | 2592; |
| Excitation Emission | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW | 43 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## 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.

Note: This product is for in vitro research use only