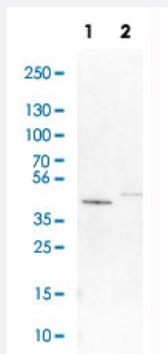


GALT polyclonal antibody

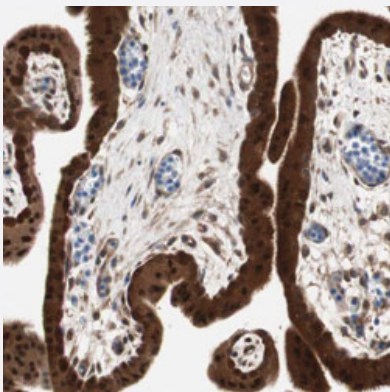
Catalog # PAB31346 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumour cells) with GALT polyclonal antibody (Cat # PAB31346).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with GALT polyclonal antibody (Cat # PAB31346) shows strong nuclear and cytoplasmic positivity in trophoblastic cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human GALT.
Immunogen	Recombinant protein corresponding to human GALT.
Sequence	RANDHQHIRYNPLQDEWVLVSAHRMKRPWQQGQVEPQLLKTVPRHDLNPLCPGAIRANGEVNP QYDSTFLFDNDFPALQPDAPSPGPSDHPLFQAKSARGVCKVMCFHPWSD
Host	Rabbit
Reactivity	Human, Mouse, Rat

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumour cells) with GALT polyclonal antibody (Cat # PAB31346).

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Gene Info — GALT

Entrez GeneID	2592
Protein Accession#	P07902
Gene Name	GALT
Gene Alias	-
Gene Description	galactose-1-phosphate uridylyltransferase
Omim ID	230400 606999
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000021298|galactose-1-phosphate uridyl transferase

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Galactose metabolism](#)
- [Metabolic pathways](#)

Disease

- [Amenorrhea](#)
- [Cataract](#)
- [Diabetes Mellitus](#)
- [Endometriosis](#)
- [Galactosemias](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Mental Retardation](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Phenylketonuria](#)
- [Phenylketonurias](#)
- [Polycystic Ovary Syndrome](#)

- [Puberty](#)
- [Syndrome](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)