

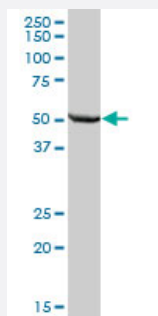
MaxPab®

ALDH7A1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000501-B01P

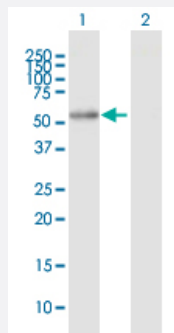
Size 50 ug

Applications



Western Blot (Tissue lysate)

ALDH7A1 MaxPab polyclonal antibody. Western Blot analysis of ALDH7A1 expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of ALDH7A1 expression in transfected 293T cell line ([H00000501-T01](#)) by ALDH7A1 MaxPab polyclonal antibody.

Lane 1: ALDH7A1 transfected lysate(56.21 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ALDH7A1 protein.

Immunogen

ALDH7A1 (NP_001173.1, 1 a.a. ~ 511 a.a) full-length human protein.

Sequence

MSTLLINQPQYAWLKELGLREENEGVYNGSWGGRGEVITTYCPANNEPIARVRQASVADYEETVK
KAREAWKIWADIPAPKRGENVRIQGDALREKIQVLGSLVSLEMGKILVEGVGEVQEYVDICDYAVGL
SRMIGGPILPSERSGHALIEQWNPVGLVGIITAFNFPVAVYGWNNAIAMICGNVCLWKGAPTTSLISV
AVTKIAKVLLEDNKLPGAICSLTCGGADIGTAMAKDERVNLLSFTGSTQVGKQVGLMVQERFGRSL
LELGNNNAIAFEDADLSLVVPSALFAAVGTAGQRCTTARRLFIHESIHEVVNRLKKAYAQIRVGN
PWDPNVLYGPLHTKQAVSMFLGAVEEAKKEGGTVVYGGKVMRPGNYVEPTVTGLGHDASIAH
TETFAPILYVFKFKNEEEVFAWNNEVKQGLSSSIFTKDLGRIFRWLGPKGSDCGIVNVNIPTSGAEI
GGAFGGEKHTGGGRESGSDAWKQYMRRSTCTINYSKDLPLAQGIKFQ

Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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Gene Info — ALDH7A1

Entrez GeneID	501
GeneBank Accession#	NM_001182.2
Protein Accession#	NP_001173.1
Gene Name	ALDH7A1
Gene Alias	ATQ1, EPD, FLJ11738, FLJ92814, PDE
Gene Description	aldehyde dehydrogenase 7 family, member A1
Omim ID	107323
Gene Ontology	Hyperlink

Gene Summary

Antiquitin is a member of subfamily 7 in the aldehyde dehydrogenase gene family. These enzymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular member has homology to a previously described protein from the green garden pea, the 26g pea turgor protein. Mutations in this gene cause pyridoxine-dependent epilepsy, which involves a combination of various seizure types and is responsive to immediate administration of pyridoxine hydrochloride. Four additional human antiquitin-like sequences, all of which are pseudogenes, have also been identified. [provided by RefSeq]

Other Designations

26g turgor protein homolog|P6c dehydrogenase|alpha-AASA dehydrogenase|alpha-aminoadipic semialdehyde dehydrogenase|antiquitin 1|delta1-piperidine-6-carboxylate dehydrogenase

Pathway

- [3-Chloroacrylic acid degradation](#)
- [Arginine and proline metabolism](#)
- [Ascorbate and aldarate metabolism](#)
- [beta-Alanine metabolism](#)
- [Butanoate metabolism](#)
- [Fatty acid metabolism](#)
- [Glycerolipid metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Histidine metabolism](#)
- [Limonene and pinene degradation](#)
- [Lysine degradation](#)
- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Pyruvate metabolism](#)
- [Tryptophan metabolism](#)
- [Valine](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Osteoporosis](#)