

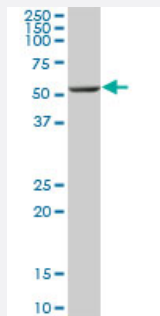
MaxPab®

ALDH6A1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00004329-B01P

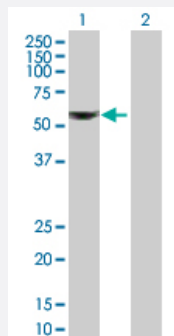
Size 50 ug

Applications



Western Blot (Tissue lysate)

ALDH6A1 MaxPab polyclonal antibody. Western Blot analysis of ALDH6A1 expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of ALDH6A1 expression in transfected 293T cell line ([H00004329-T01](#)) by ALDH6A1 MaxPab polyclonal antibody.

Lane 1: ALDH6A1 transfected lysate(58.85 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ALDH6A1 protein.

Immunogen

ALDH6A1 (NP_005580.1, 1 a.a. ~ 535 a.a) full-length human protein.

Sequence	MAALLAAAVRARILQVSSKVKSSPTWYSASSFSSSVPTVKLFIGGKFVESKSDKWIDIHNPATNE VIGRVPQATKAEMDAAIASCKRAFPWADTSVLSRQQVLLRYQQLIKENLKEIAKLITLEQGKTLAD AEGDVFRGLQVVEHACSVTSLMMGETMPSITKDMDLYSYRLPLGVCAGIAPFNFPAMIPLWMFP MAMVCGNTFLMKPSERVPGATMLLAKLLQDSGAPDGTLNIIHGQHEAVNFICDHPDIKAISFVGSN KAGEYIFERGSRHGKRVQANMGAKNHGVVMPDANKENTLNQLVGAAFGAAGQRCMALSTAVLV GEAKKWLPVELVEHAKNLRVNAGDQPGADLGPLITPQAKERV CNLIDSGTKEGASILLDGRKIKVK GYENGNFVGPTIISNVKPNMTCYKEEIFGPVLVLETTETLDEAIQVNNNPYNGNTAIFTTNGATARKY AHLVDVGQVGVNPIPVPLPMFSFTGSRSSFRGDTNFYKGQGIQFYTLKTTTSQWKEEDATLSS PAVVMPTMGR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)
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)

ALDH6A1 MaxPab polyclonal antibody. Western Blot analysis of ALDH6A1 expression in human liver.

[Protocol Download](#)

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Western Blot analysis of ALDH6A1 expression in transfected 293T cell line ([H00004329-T01](#)) by ALDH6A1 MaxPab polyclonal antibody.

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Gene Info — ALDH6A1

Entrez GeneID	4329
GeneBank Accession#	NM_005589.2
Protein Accession#	NP_005580.1

Gene Name	ALDH6A1
Gene Alias	MGC40271, MMSADHA, MMSDH
Gene Description	aldehyde dehydrogenase 6 family, member A1
Omim ID	603178
Gene Ontology	Hyperlink
Gene Summary	This protein belongs to the aldehyde dehydrogenases family of proteins. This enzyme plays a role in the valine and pyrimidine catabolic pathways. The product of this gene, a mitochondrial methyl malonate semialdehyde dehydrogenase, catalyzes the irreversible oxidative decarboxylation of malonate and methylmalonate semialdehydes to acetyl- and propionyl-CoA. Methylmalonate semialdehyde dehydrogenase deficiency is characterized by elevated beta-alanine, 3-hydroxypropionic acid, and both isomers of 3-amino and 3-hydroxyisobutyric acids in urine organic acids. [provided by RefSeq]
Other Designations	aldehyde dehydrogenase 6A1 mitochondrial acylating methylmalonate-semialdehyde dehydrogenase

Pathway

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Valine](#)

Disease

- [Tobacco Use Disorder](#)