

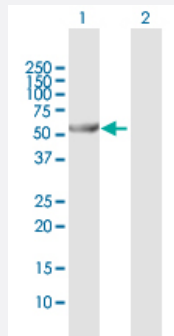
MaxPab®

ALDH6A1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004329-D01P

Size 100 ug

Applications



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(57.80 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit 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 VIGRVPQATKAEMDAAIASCKRAFPADTSVLRSQQVLLRYQQLIKENLKEIAKLITLEQGKTLAD AEGDVFRGLQVVEHACSVTSLMMGETMPSITKDMDLYSYRLPLGVCAGIAPFNFPAMIPLWMFP MAMVCGNTFLMKPSERVPGATMLLAKLLQDSGAPDGTLNIIHGQHEAVNFICDHPDIKAISFVGSN KAGEYIFERGSRHGKRVQANMGAKNHGVVMPDANKENTLNQLVGAAFGAAGQRCMALSTAVLV GEAKKWLPPELVEHAKNLRVNAGDQPGADLGPLITPAKERV CNLIDSGTKEGASILLDGRKIKVK GYENGNFVGPTIISNVKPNMTCYKEEIFGPVLVVLETETLDEAIQIVNNNPYNGTAIFTTNGATARKY AHLVDVGQVGVNVPVPLPMFSFTGSRSSFRGDTNFYGKQGIQFYTLKTTTSQWKEEDATLSS PAVVMPTMGR
Host	Rabbit
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.

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[Protocol Download](#)

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](#)