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Datasheet

ALDH6A1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog Number: H00004329-D01P

Regulation Status: For research use only (RUO)

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:
MAALLAAAAVRARILQVSSKVKSSPTWYSASSFSSSVP
TVKLFIGGKFVESKSDKWIDIHNPATNEVIGRVPQATKA
EMDAAIASCKRAFPAWADTSVLSRQQVLLRYQQLIKE
NLKEIAKLITLEQGKTLADAEGDVFRGLQVVEHACSVT
SLMMGETMPSITKDMDLYSYRLPLGVCAGIAPFNFPA
MIPLWMFPMAMVCGNTFLMKPSERVPGATMLLAKLLQ
DSGAPDGTLNIIHGQHEAVNFICDHPDIKAISFVGSNKA
GEYIFERGSRHGKRVQANMGAKNHGVVMPDANKENT
LNQLVGAAFGAAGQRCMALSTAVLVGEAKKWLPELVE
HAKNLRVNAGDQPGADLGPLITPQAKERVCNLIDSGT
KEGASILLDGRKIKVKGYENGNFVGPTIISNVKPNMTCY
KEEIFGPVLVVLETETLDEAIQIVNNNPYGNGTAIFTTN
GATARKYAHLVDVGQVGVNVPIPVPLPMFSFTGSRSS
FRGDTNFYGKQGIQFYTQLKTITSQWKEEDATLSSPAV
VMPTMGR

Host: Rabbit

Reactivity: Human

Applications: WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4329

Gene Symbol: ALDH6A1

Gene Alias: MGC40271, MMSADHA, MMSDH

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 methylmalonate 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]