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Datasheet

ALDH16A1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog Number: H00126133-B01P

Regulation Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a full-length human ALDH16A1 protein.

Immunogen: ALDH16A1 (NP_699160.1, 1 a.a. ~ 802 a.a) full-length human protein.

Sequence:
MAATRAGPRAREIFTSLEYGPVPESHACALAWLDTQD
RCLGHYVNGKWLKPEHRNSVPCQDPITGENLASCLQ
AQAEDVAAAVEAARMAFKGWSAHPGVVRAQHLTRLA
EVIQKHQRLLWTLESLVTGRAVREVRDGDVQLAQQLL
HYHAIQASTQEEALAGWEPMGVIGLILPPTFSFLEMM
WRICPALAVGCTVVALVPPASPAPLLLAQLAGELGPFP
GILNVVSGPASLVPILASQPGIRKVAFCGAPEEGRALR
RSLAGECAELGLALGTESLLLLTDTADVDSAVEGVVDA
AWSDRGPGGLRLLIQESVWDEAMRRLQERMGRLRS
GRGLDGAVDMGARGAAACDLVQRFVREAQSQGAQV
FQAGDVPSERPFYPPTLVSNLPPASPCAQVEVPWPVV
VASPFRTAKEALLVANGTPRGGSASVWSERLGQALEL
GYGLQVGTVWINAHGLRDPSVPTGGCKESGCSWHG
GPDGLYEYLRPSGTPARLSCLSKNLNYDTFGLAVPSTL
PAGPEIGPSPAPPYGLFVGGRFQAPGARSSRPIRDSS
GNLHGYVAEGGAKDIRGAVEAAHQAFPGWAGQSPGA
RAALLWALAAALERRKSTLASRLERQGAELKAAEAEV
ELSARRLRAWGARVQAQGHTLQVAGLRGPVLRLREP
LGVLAVVCPDEWPLLAFVSLLAPALAYGNTVVMVPSA
ACPLLALEVCQDMATVFPAGLANVVTGDRDHLTRCLA
LHQDVQAMWYFGSAQGSQFVEWASAGNLKPVWASR
GCPRAWDQEAEGAGPELGLRVARTKALWLPMGD

Host: Mouse

Reactivity: Human

Applications: IF, WB-Ti, 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: 126133

Gene Symbol: ALDH16A1

Gene Alias: MGC10204

Gene Summary: This gene encodes a member of the aldehyde dehydrogenases superfamily. The family members act on aldehyde substrates and use nicotinamide adenine dinucleotide phosphate (NADP) as a cofactor. This gene is conserved in chimpanzee, dog, cow, mouse, rat, and zebrafish. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

References:
1. Targeted disruption of the Mast syndrome gene SPG21 in mice impairs hind limb function and alters axon branching in cultured cortical neurons. Soderblom C, Stadler J, Jupille H, Blackstone C, Shupliakov O, Hanna MC. Neurogenetics. 2010 Jul 27. [Epub ahead of print]