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Datasheet

ALDH1A1 MaxPab rabbit polyclonal antibody (D01)

Catalog Number: H00000216-D01

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against a full-length human ALDH1A1 protein.

Immunogen: ALDH1A1 (NP_000680.2, 1 a.a. ~ 501 a.a) full-length human protein.

Sequence:
MSSSGTPDLPVLLTDLKIQYTKIFINNEWHDSVSGKKF
PVFNPATEEELCQVEEGDKEDVDKAVKAARQAFQIGS
PWRTMDASERGRLLYKLADLIERDRLLLATMESMNGG
KLYSNAYLNDLAGCIKTLRYCAGWADKIQGRTIPIDGN
FFTYTRHEPIGVCGQIIPWNFPLVMLIWKIGPALSCGNT
VVVKPAEQTPLTALHVASLIKEAGFPPGVVNIVPGYGP
TAGAAISSHMDIDKVAFTGSTEVGKLIKEAAGKSNLKR
VTLELGGKSPCIVLADADLDNAVEFAHHGVFYHQGQC
CIAASRIFVEESIYDEFVRRSVERAKKYILGNPLTPGVT
QGPQIDKEQYDKILDLIESGKKEGAKLECGGGPWGNK
GYFVQPTVFSNVTDEMRIAKEEIFGPVQQIMKFKSLDD
VIKRANNTFYGLSAGVFTKDIDKAITISSALQAGTVWVN
CYGVVSAQCPFGGFKMSGNGRELGEYGFHEYTEVKT
VTVKISQKNS

Host: Rabbit

Reactivity: Human,Mouse

Applications: IP, WB-Ce, 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: No additive

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

Entrez GeneID: 216

Gene Symbol: ALDH1A1

Gene Alias: ALDC, ALDH-E1, ALDH1, ALDH11, MGC2318, PUMB1, RALDH1

Gene Summary: This protein belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50% of Orientals have only the cytosolic isozyme, missing the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among Orientals than among Caucasians could be related to the absence of the mitochondrial isozyme. This gene encodes a cytosolic isoform, which has a high affinity for aldehydes. [provided by RefSeq]