

Datasheet

ALDH3A1 MaxPab rabbit polyclonal antibody (D01)

Catalog Number: H00000218-D01

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against a full-length human ALDH3A1 protein.

Immunogen: ALDH3A1 (AAH08892.1, 1 a.a. ~ 453 a.a) full-length human protein.

Sequence:

MSKISEAVKRRAAFSSGRTRPLQFRIQQLEALQRLIQ
EQEQELVGALAADLHKNEWNAYYEEVVYVLEEIEYMI
QKLPEWAADEPVEKTPQTQQDELYIHSEPLGVVLVIGT
WNYPFNLTIQPMVGAIAAGNAVVLKPSSENMASLLA
TIIPQYLDKDLYPVINGGVPETTELLKERFDHILYTGSTG
VGKIIMTAAAKHLTPVTLELGGKSPCYVDKNCCLDVAC
RRIAWGKFMNSGQTCVAPDYILCDPSIQNQIVEKLKKS
LKEFYGEDAKKSRDYGRIISARHFQRMGLIEGQKVAY
GGTGDAATRYIAPTILTDVDPQSPVMQEEIFGPVLPVAC
VRSLEEAIQFINQREKPLALYMFSSNDKVIKKMIAETSS
GGVAANDVIVHITLHSLPFGVGNSGMGSYHGKKSFE
TFSHRRSCLVRPLMNDEGLKVRYPSPAKMTQH

Host: Rabbit

Reactivity: Human

Applications: IP, 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: 218

Gene Symbol: ALDH3A1

Gene Alias: ALDH3, ALDHIII, MGC10406

Gene Summary: Aldehyde dehydrogenases oxidize various aldehydes to the corresponding acids. They are involved in the detoxification of alcohol-derived acetaldehyde and in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. The enzyme encoded by this gene forms a cytoplasmic homodimer that preferentially oxidizes aromatic and medium-chain (6 carbons or more) saturated and unsaturated aldehyde substrates. It is thought to promote resistance to UV and 4-hydroxy-2-nonenal-induced oxidative damage in the cornea. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]