

## Datasheet

### ALDH3A1 purified MaxPab mouse polyclonal antibody (B01P)

**Catalog Number:** H00000218-B01P

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse 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  
QKLPEWAADPEVEKTPQTQQDELYIHSEPLGVVLVIGT  
WNYPFNLTIQPMVGAIAAGNAVVLKPSSENMASLLA  
TIIPQYLDKDLYPVINGGVPETTELLKERFDHILYTGSTG  
VGKIIMTAAAKHLTPVTLELGGKSPCYVDKNCCLDVAC  
RRIAWGKFMNSGQTCVAPDYILCDPSIQNQIVEKLKKS  
LKEFYGEDAKKSRDYGRIISARHFQRMGLIEGQKVAY  
GGTGDAATRYIAPTILTDVDPQSPVMQEEIFGPVLPVIV  
VRSLEEAIQFINQREKPLALYMFSSNDKVIKKMIAETSS  
GGVAANDVIVHITLHSLPFGVGNSGMGSYHGKKSFE  
TFSHRRSCLVRPLMNDEGLKVRYPPSPAKMTQH

**Host:** Mouse

**Reactivity:** Human

**Applications:** 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:** In 1x PBS, pH 7.4

**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]