

ALDH3B1 rabbit monoclonal antibody

Catalog # H00000221-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ALDH3B1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ALDH3B1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ALDH3B1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — ALDH3B1

Entrez GeneID	221
GeneBank Accession#	ALDH3B1
Gene Name	ALDH3B1
Gene Alias	ALDH4, ALDH7, FLJ26433
Gene Description	aldehyde dehydrogenase 3 family, member B1
Omim ID	600466
Gene Ontology	Hyperlink
Gene Summary	The aldehyde dehydrogenases are a family of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular gene spans about 20 kb of genomic DNA and is composed of 9 coding exons. The gene is highly expressed in kidney and lung. The functional significance of this gene as well as the cellular localization of its product are presently unknown. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	aldehyde dehydrogenase 3B1 aldehyde dehydrogenase 7

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glycolysis / Gluconeogenesis](#)
- [Histidine metabolism](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Phenylalanine metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)