

ALDH1A3 rabbit monoclonal antibody

Catalog # H00000220-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ALDH1A3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ALDH1A3 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 ALDH1A3 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 — ALDH1A3

Entrez GeneID	220
GeneBank Accession#	ALDH1A3
Gene Name	ALDH1A3
Gene Alias	ALDH1A6, ALDH6, RALDH3
Gene Description	aldehyde dehydrogenase 1 family, member A3
Omim ID	600463
Gene Ontology	Hyperlink
Gene Summary	Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. The enzyme encoded by this gene uses retinal as a substrate, either in a free or cellular retinol-binding protein form. [provided by RefSeq]
Other Designations	acetaldehyde dehydrogenase 6 aldehyde dehydrogenase 1A3 aldehyde dehydrogenase 6 retinal dehydrogenase 3

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](#)