ALDH9A1 rabbit monoclonal antibody

Catalog # H00000223-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ALDH9A1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ALDH9A1 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 ALDH9A1 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 in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — ALDH9A1

Entrez GeneID	223
GeneBank Accession#	ALDH9A1
Gene Name	ALDH9A1
Gene Alias	ALDH4, ALDH7, ALDH9, E3, TMABADH
Gene Description	aldehyde dehydrogenase 9 family, member A1
Omim ID	602733
Gene Ontology	Hyperlink
Gene Summary	This protein belongs to the aldehyde dehydrogenase family of proteins. It has a high activity for oxi dation of gamma-aminobutyraldehyde and other amino aldehydes. The enzyme catalyzes the deh ydrogenation of gamma-aminobutyraldehyde to gamma-aminobutyric acid (GABA). This isozyme is a tetramer of identical 54-kD subunits. [provided by RefSeq
Other Designations	4-trimethylaminobutyraldehyde dehydrogenase|OTTHUMP00000032604|R-aminobutyraldehyde dehydrogenase|aldehyde dehydrogenase (NAD+)|aldehyde dehydrogenase 9A1|aldehyde dehyd rogenase E3 isozyme|gamma-aminobutyraldehyde dehydrogenase

Pathway

- 3-Chloroacrylic acid degradation
- Arginine and proline metabolism
- Ascorbate and aldarate metabolism
- beta-Alanine metabolism
- Butanoate metabolism
- Fatty acid metabolism
- Glycerolipid metabolism
- Glycolysis / Gluconeogenesis
- Histidine metabolism

- Limonene and pinene degradation
- Lysine degradation
- Metabolic pathways
- Propanoate metabolism
- Pyruvate metabolism
- Tryptophan metabolism
- Valine

Disease

- Dyskinesia
- Genetic Predisposition to Disease
- Hypertension
- Osteoporosis
- Schizophrenia
- Tobacco Use Disorder