

DNAxPAb

Hard-to-Find
Antibody

ALDH9A1 DNAxPab

Catalog # H00000223-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ALDH9A1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MSTGTFVVSQPLNYRGGARVEPADASGTEKAFEPATGRVIATFTCSGEKEVNLA VQNAKA AFKI WSQKSGMERCRI LLEAARI REREREDEIATMECINNGKSIFEARLDIDISWQC LEYYAGLAAS MAGEHI QLPGGSFGYTRREPLGVCVGIGAWNYPFQIASWKSAPALACGNAMVFKPSPFTPVSALLAEIYS EAGVPPGLFNVVQGAATGQFLCQHPDVAKVSFTGSVPTGMKIMEMSAKGIKPV TLELGKKSPLI IFSDCDMNNAVKGALMANFLTQGGQVCCNGTRVFVQKEILDKFTEE VVKQTQRIKIGDPLLEDTRM GPLINRPHLERVLGFVKVAKEQGAKVLCGGDIYVPEDPKLKDGYM RPCVLTNCRDDMT CVKEEI FGPVMSILSFDTEAEVLERANDTTFGLAAGVFTRDIQRAHRVVAELQAGTCFINN YNVSPVELPFG GYKKSFGRENGRV TIEYSQLKTVCVEMGDVESAF
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (90)
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ALDH9A1

Entrez GeneID [223](#)

GeneBank Accession# [ENST00000271359](#)

Protein Accession# [ENSP00000271359](#)

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 oxidation of gamma-aminobutyraldehyde and other amino aldehydes. The enzyme catalyzes the dehydrogenation 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 dehydrogenase 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](#)