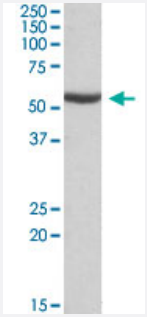
ALDH6A1 polyclonal antibody

Catalog # PAB18968 Size 100 ug

Applications



Western Blot (Tissue lysate)

ALDH6A1 polyclonal antibody (Cat # PAB18968, 0.1 ug/mL) staining of mouse kidney lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ALDH6A1.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human ALDH6A1.
Sequence	C-SNKAGEYIFER
Host	Goat
Theoretical MW (kDa)	55
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL in Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)

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Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Tissue lysate)

  ALDH6A1 polyclonal antibody (Cat # PAB18968, 0.1 ug/mL) staining of mouse kidney lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — ALDH6A1

Entrez GeneID	4329
Protein Accession#	NP_005580.1
Gene Name	ALDH6A1
Gene Alias	MGC40271, MMSADHA, MMSDH
Gene Description	aldehyde dehydrogenase 6 family, member A1
Omim ID	603178
Gene Ontology	Hyperlink
Gene Summary	This protein belongs to the aldehyde dehydrogenases family of proteins. This enzyme plays a role in the valine and pyrimidine catabolic pathways. The product of this gene, a mitochondrial methyl malonate semialdehyde dehydrogenase, catalyzes the irreversible oxidative decarboxylation of m alonate and methylmalonate semialdehydes to acetyl- and propionyl-CoA. Methylmalonate semial dehyde dehydrogenase deficiency is characterized by elevated beta-alanine, 3-hydroxypropionic acid, and both isomers of 3-amino and 3-hydroxyisobutyric acids in urine organic acids. [provided by RefSeq
Other Designations	aldehyde dehydrogenase 6A1|mitochondrial acylating methylmalonate-semialdehyde dehydrogen ase

Pathway

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- Inositol phosphate metabolism
- Metabolic pathways
- Propanoate metabolism
- Valine

Disease

- Tobacco Use Disorder

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