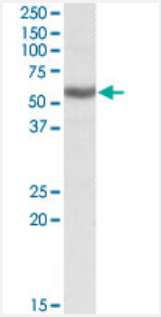
ALDH3B1 polyclonal antibody

Catalog # PAB18544 Size 100 ug

Applications



Western Blot (Cell lysate)

ALDH3B1 polyclonal antibody (Cat # PAB18544) (0.3 ug/mL) staining of K-562 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 ALDH3B1.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human ALDH3B1.
Sequence	C-QDLHKSAFESEVSE
Host	Goat
Theoretical MW (kDa)	55
Reactivity	Human
Specificity	This antibody is expected to recognize isoform a (NP_000685.1) only. This antibody is not expected to cross react with ALDH3B2. Reported variants represent identical protein: NP_000685.1, NP_001 154945.1.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

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Recommend Usage	ELISA (1:16000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
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 (Cell lysate)

  ALDH3B1 polyclonal antibody (Cat # PAB18544) (0.3 ug/mL) staining of K-562 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — ALDH3B1

Entrez GeneID	221
Protein Accession#	NP_000685.1
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 detoxific ation of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular gene s pans about 20 kb of genomic DNA and is composed of 9 coding exons. The gene is highly expre ssed 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 iso forms have been found for this gene. [provided by RefSeq
Other Designations	aldehyde dehydrogenase 3B1|aldehyde dehydrogenase 7

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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

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