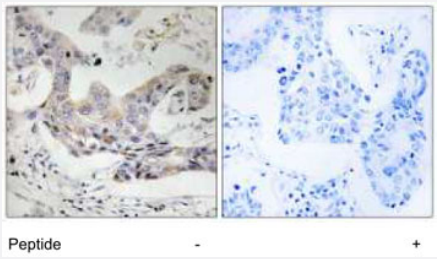
ALDH3B1 polyclonal antibody

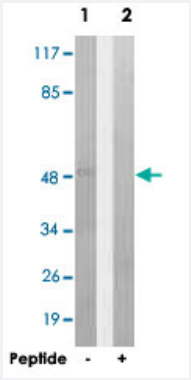
Catalog # PAB18080 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using ALDH3B1 polyclonal antibody (Cat # PAB18080).
Peptide "+" means "with peptide blocking".



Western Blot (Cell lysate)

Western blot analysis of extracts from HUVEC cells, using ALDH3B1 polyclonal antibody (Cat # PAB18080).
Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ALDH3B1.
Immunogen	A synthetic peptide corresponding to human ALDH3B1.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to ALDH3B1.
Form	Liquid

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Recommend Usage	Western Blot (1:500~1:1000) Immunohistochemistry (1:50~1:100) ELISA(1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using ALDH3B1 polyclonal antibody (Cat # PAB18080).
  Peptide "+" means "with peptide blocking".

- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of extracts from HUVEC cells, using ALDH3B1 polyclonal antibody (Cat # PAB18080).
  Peptide "+" means "with peptide blocking".

Gene Info — ALDH3B1

Entrez GeneID	221
Protein Accession#	P43353
Gene Name	ALDH3B1
Gene Alias	ALDH4, ALDH7, FLJ26433
Gene Description	aldehyde dehydrogenase 3 family, member B1
Omim ID	600466
Gene Ontology	Hyperlink

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Gene Summary	The aldehyde dehydrogenases are a family of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular gene spans about 20 kb of genomic DNA and is composed of 9 coding exons. The gene is highly expressed 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 isoforms have been found for this gene. [provided by RefSeq
Other Designations	aldehyde dehydrogenase 3B1|aldehyde dehydrogenase 7

Publication Reference

- Automated phosphoproteome analysis for cultured cancer cells by two-dimensional nanoLC-MS using a calcined titania/C18 biphasic column.

  Imami K, Sugiyama N, Kyono Y, Tomita M, Ishihama Y.

  Analytical Sciences: the International Journal of the Japan Society for Analytical Chemistry 2008 Jan; 24(1):161.

- Cloning of a cDNA encoding human ALDH7, a new member of the aldehyde dehydrogenase family.

  L C Hsu, W C Chang, A Yoshida.

  Gene 1994 Dec; 151(1-2):285.

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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