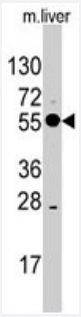
ALDH8A1 polyclonal antibody

Catalog # PAB3143 Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of ALDH8A1 polyclonal antibody (Cat # PAB3143) in mouse liver tissue lysates (35 ug/lane). ALDH8A1 (arrow) was detected using the purified polyclonal antibody.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ALDH8A1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human ALDH8A1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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.

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Gene Info — ALDH8A1

Entrez GeneID	64577
Protein Accession#	NP_072090;Q9H2A2
Gene Name	ALDH8A1
Gene Alias	ALDH12, DJ352A20.2, DKFZp779D2315, MGC138650
Gene Description	aldehyde dehydrogenase 8 family, member A1
Omim ID	606467
Gene Ontology	Hyperlink
Gene Summary	This protein belongs to the aldehyde dehydrogenases family of proteins. It plays a role in a pathway of 9-cis-retinoic acid biosynthesis in vivo. This enzyme converts 9-cis-retinal into the retinoid X receptor ligand 9-cis-retinoic acid, and has approximately 40-fold higher activity with 9-cis-retinal than with all-trans-retinal. Therefore, it is the first known aldehyde dehydrogenase to show a preference for 9-cis-retinal relative to all-trans-retinal. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq
Other Designations	aldehyde dehydogenase 8 family, member A1|aldehyde dehydrogenase 12|aldehyde dehydrogenase 8A1|aldehyde dehydrogenase family protein

Publication Reference

- cDNA cloning and expression of a human aldehyde dehydrogenase (ALDH) active with 9-cis-retinal and identification of a rat ortholog, ALDH12.

  Lin M, Napoli JL.

  The Journal of Biological Chemistry 2000 Dec; 275(51):40106.

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