

ALDH2 Antibody (N-term)

Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5560-200 □

Specification

ALDH2 Antibody (N-term) - Product Information

Application	WB
Primary Accession	P05091
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=56;M=57;R=56 kDa
Isotype	Rabbit Ig
Antigen Source	HUMAN

ALDH2 Antibody (N-term) - Additional Information

Gene ID 217

Antigen Region
52-81

Other Names

Aldehyde dehydrogenase, mitochondrial, ALDH class 2,
ALDH-E2, ALDHI, ALDH2, ALDM

Dilution

WB~1:1000

Target/Specificity

This ALDH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 52-81 amino acids from the N-terminal region of human ALDH2.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ALDH2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ALDH2 Antibody (N-term) - Protein Information

Name ALDH2

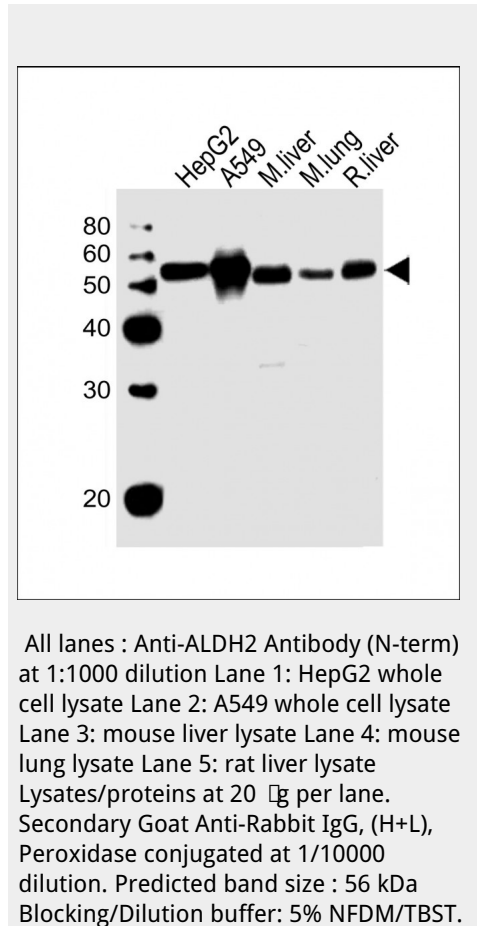
Synonyms ALDM

Cellular Location

Mitochondrion matrix.

ALDH2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for



product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ALDH2 Antibody (N-term) - Background

ALDH2 belongs to the aldehyde dehydrogenase family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50% of Asians have only the cytosolic isozyme, missing the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among Asians than among Caucasians could be related to the absence of the mitochondrial isozyme.

ALDH2 Antibody (N-term) - References

Guo,Y.M., World J. Gastroenterol. 14 (9), 1444-1449 (2008)
Chen,L., PLoS Med. 5 (3), E52 (2008) Teeguarden,J.G., Inhal Toxicol 20 (4), 375-390 (2008) Yoshida,A., Pharmacogenetics 2 (4), 139-147 (1992)