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ALDH1B1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7851c

Specification

ALDH1B1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P30837

ALDH1B1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 219

Other Names
Aldehyde dehydrogenase X, mitochondrial, Aldehyde dehydrogenase 5, Aldehyde dehydrogenase family 1 member B1, ALDH1B1, ALDH5, ALDHX

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7851c was selected from the Center region of human ALDH1B1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ALDH1B1 Antibody (Center) Blocking Peptide - Protein Information

Name ALDH1B1

Synonyms ALDH5, ALDHX

Function
ALDHs play a major role in the detoxification of alcohol- derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation.

Cellular Location
Mitochondrion matrix.

Tissue Location
Liver, testis and to a lesser extent in brain.

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ALDH1B1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ALDH1B1 Antibody (Center) Blocking Peptide - Images

ALDH1B1 Antibody (Center) Blocking Peptide - Background

ALDH1B1 belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism.

ALDH1B1 Antibody (Center) Blocking Peptide - References

Husemoen,L.L., Alcohol. Clin. Exp. Res. 32 (11), 1984-1991 (2008)Yokoyama,A., Int. J. Cancer 121 (5), 1047-1054 (2007)Stewart,M.J., Biochem. Biophys. Res. Commun. 211 (1), 144-151 (1995)