

ALDH1B1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7851a

Specification

ALDH1B1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P30837](#)

ALDH1B1 Antibody (N-term) 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 [AP7851a](/products/AP7851a) was selected from the N-term 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 (N-term) 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.

ALDH1B1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ALDH1B1 Antibody (N-term) Blocking Peptide - Images

ALDH1B1 Antibody (N-term) 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 (N-term) 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)