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ADH1B Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP6738c

Specification

ADH1B Antibody (Center) Blocking Peptide - Product Information

Primary Accession P00325

ADH1B Antibody (Center) Blocking Peptide - Additional Information

Gene ID 125

Other Names
Alcohol dehydrogenase 1B, Alcohol dehydrogenase subunit beta, ADH1B, ADH2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6738c was selected from the Center region of human ADH1B. 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.

ADH1B Antibody (Center) Blocking Peptide - Protein Information

Name ADH1B (HGNC:250)

Synonyms ADH2

Function
Catalyzes the NAD-dependent oxidation of all-trans-retinol and its derivatives such as all-trans-4-hydroxyretinol and may participate in retinoid metabolism (PubMed:15369820, PubMed:16787387). In vitro can also catalyzes the NADH-dependent reduction of all-trans- retinal and its derivatives such as all-trans-4-oxoretinal (PubMed:15369820, PubMed:16787387). Catalyzes in the oxidative direction with higher efficiency (PubMed:16787387). Has the same affinity for all-trans-4-hydroxyretinol and all-trans-4-oxoretinal (PubMed:<a

href="http://www.uniprot.org/citations/15369820" target="_blank">15369820).

Cellular Location
Cytoplasm.

ADH1B Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

ADH1B Antibody (Center) Blocking Peptide - Images

ADH1B Antibody (Center) Blocking Peptide - Background

The protein is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. This encoded protein, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation and plays a major role in ethanol catabolism.

ADH1B Antibody (Center) Blocking Peptide - References

Alcohol intake, Am. J. Gastroenterol. 104 (9), 2182-2188 (2009)Nishimura,F.T., Nihon Arukoru Yakubutsu Igakkai Zasshi 44 (3), 139-155 (2009)