ADH1A Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	ADH1A, Blocking Peptide
Full Product Name	ADH1A Peptide - N-terminal region
Product Gene Name	ADH1A blocking peptide
Product Synonym Gene Name	ADH1A;ADH1;
Sequence	Synthetic peptide located within the following region: PESNYCLKND VSNPQGTLQD GTSRFTCRRK PIHHFLGIST FSQYTVVDEN
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	ADH1A peptide (MBS3244981) is used for blocking the activity of ADH1A antibody (MBS3220158)
Molecular Weight	41kDa
OMIM	103700
Product Categories/Family for ADH1A blocking peptide	Peptide
Related Product Information for ADH1A blocking peptide	This is a synthetic peptide designed for use in combination with anti-ADH1A Antibody, made Target Description: This gene encodes a member of the alcohol dehydrogenase family. The encoded protein is the alpha subunit of class I alcohol dehydrogenase, which consists of several homo- and heterodimers of alpha, beta and gamma subunits. Alcohol dehydrogenases catalyze the oxidation of alcohols to aldehydes. This gene is active in the liver in early fetal life but only weakly active in adult liver. This gene is found in a cluster with six additional alcohol dehydrogenase genes, including those encoding the beta and gamma subunits, on the long arm of chromosome 4. Mutations in this gene may contribute to variation in certain personality traits and substance dependence.
Other Notes	Small volumes of ADH1A blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ADH1A purchase	MBS3244981 is a blocking peptide targeting ADH1A. Also known as ADH1A Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADH1A. It may not necessarily be applicable to this product.

NCBI GI #	4501929
NCBI GeneID	124
NCBI Accession #	NP_000658
UniProt Primary Accession #	P07327
UniProt Related Accession #	P07327
GenBank Nucleotide #	NM_000667.4

NCBI Official Full Name	alcohol dehydrogenase 1A
NCBI Official Synonym Full Names	alcohol dehydrogenase 1A (class I), alpha polypeptide
NCBI Official Symbol	ADH1A
NCBI Official Synonym Symbols	ADH1
UniProt Protein Name	Alcohol dehydrogenase 1A
UniProt Synonym Protein Names	Alcohol dehydrogenase subunit alpha
UniProt Gene Name	ADH1A
UniProt Synonym Gene Names	ADH1
UniProt Entry Name	ADH1A_HUMAN
NCBI Protein Information	alcohol dehydrogenase 1A
NCBI Summary for ADH1A	This gene encodes a member of the alcohol dehydrogenase family. The encoded protein is the alpha subunit of class I alcohol dehydrogenase, which consists of several homo- and heterodimers of alpha, beta and gamma subunits. Alcohol dehydrogenases catalyze the oxidation of alcohols to aldehydes. This gene is active in the liver in early fetal life but only weakly active in adult liver. This gene is found in a cluster with six additional alcohol dehydrogenase genes, including those encoding the beta and gamma subunits, on the long arm of chromosome 4. Mutations in this gene may contribute to variation in certain personality traits and substance dependence. [provided by RefSeq, Nov 2010]
Research Articles on ADH1A	**1.** High ADH expression is associated with Prostate Cancer.
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