

**ADH4 Antibody (C-term) Blocking peptide**  
Synthetic peptide  
Catalog # BP10128b

**Specification**

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**ADH4 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [P08319](#)  
Other Accession [NP\\_000661.2](#)

**ADH4 Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 127

**Other Names**

Alcohol dehydrogenase 4, Alcohol dehydrogenase class II pi chain, ADH4

**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.

**ADH4 Antibody (C-term) Blocking peptide - Protein Information**

Name ADH4 ([HGNC:252](#))

**Function**

Catalyzes the NAD-dependent oxidation of either all-trans- retinol or 9-cis-retinol (PubMed:<a href="http://www.uniprot.org/citations/17279314" target="\_blank">17279314</a>). Also oxidizes long chain omega-hydroxy fatty acids, such as 20-HETE, producing both the intermediate aldehyde, 20-oxoarachidonate and the end product, a dicarboxylic acid, (5Z,8Z,11Z,14Z)-eicosatetraenedioate (PubMed:<a href="http://www.uniprot.org/citations/16081420" target="\_blank">16081420</a>). Also catalyzes the reduction of benzoquinones (PubMed:<a href="http://www.uniprot.org/citations/10514444" target="\_blank">10514444</a>).

**Cellular Location**

Cytoplasm.

**ADH4 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **ADH4 Antibody (C-term) Blocking peptide - Images**

#### **ADH4 Antibody (C-term) Blocking peptide - Background**

This gene encodes class II alcohol dehydrogenase 4 p subunit, which 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. Class II alcohol dehydrogenase is a homodimer composed of 2 p subunits. It exhibits a high activity for oxidation of long-chain aliphatic alcohols and aromatic alcohols and is less sensitive to pyrazole. This gene is localized to chromosome 4 in the cluster of alcohol dehydrogenase genes.

#### **ADH4 Antibody (C-term) Blocking peptide - References**

Pochareddy, S., et al. Gene 460 (1-2), 1-7 (2010) :Preuss, U.W., et al. Addict Biol (2010) In press  
:Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010)Rainero, I., et al. Headache  
50(1):92-98(2010)Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :