

For Research Use Only

# ADH1C Recombinant antibody, PBS Only

Catalog Number: 84546-2-PBS



## Basic Information

**Catalog Number:**

84546-2-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG13528

**GenBank Accession Number:**

BC062476

**GeneID (NCBI):**

126

**UNIPROT ID:**

P00326

**Full Name:**

alcohol dehydrogenase 1C (class I), gamma polypeptide

**Calculated MW:**

375 aa, 40 kDa

**Observed MW:**

37-45 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241623A3

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human, mouse

## Background Information

Alcohol dehydrogenase 1C (ADH1C), also known as ADH3, is an alcohol dehydrogenase that can catalyze ethanol oxidation to metabolite acetaldehyde. According to THE HUMAN PROTEIN ATLAS database, ADH1C locates mainly to the cytosol and plasma membrane. Genetic polymorphism of the ADH1C gene (ADH1C\*1 allele) is associated with various human cancers, such as gastric cancer, oral cancer and CRC, for it encodes an alcohol dehydrogenase producing 2.5 times more acetaldehyde. (PMID: 35300114)

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

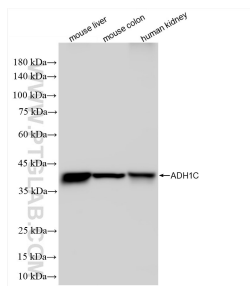
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84546-2-RR (ADH1C antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84546-2-PBS in a different storage buffer formulation.