

For Research Use Only

ADH1C Polyclonal antibody

Catalog Number:30621-1-AP



Basic Information

Catalog Number:

30621-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33037

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:

40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse, rat

Positive Controls:

WB: mouse testis tissue, mouse colon tissue, rat colon tissue

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

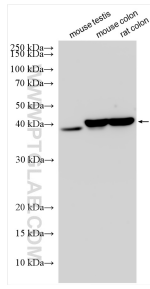
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30621-1-AP (ADH1C antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.