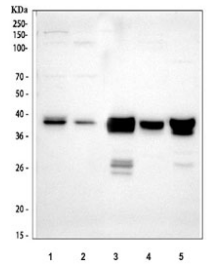
ADH4 Antibody / Alcohol dehydrogenase 4 (R32498)

Catalog No.	Formulation	Size
R32498	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P08319
Localization	Cytoplasmic, membranous
Applications	Western blot: 0.5-1ug/ml
Limitations	This ADH4 antibody is available for research use only.



Western blot testing of 1) human HepG2, 2) human HeLa, 3) rat liver, 4) rat RH35 and 5) mouse liver tissue lysate with ADH4 antibody at 0.5ug/ml. Predicted molecular weight ~40 kDa.

Description

Alcohol dehydrogenase 4 is an enzyme that in humans is encoded by the ADH4 gene. This gene encodes class II alcohol dehydrogenase 4 pi 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 pi 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.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the ADH4 antibody to be titrated for optimal performance.

Immunogen

Amino acids K218-F380 from the human protein were used as the immunogen for the ADH4 antibody.

Storage

After reconstitution, the ADH4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.