

ADH Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11018**Specification**

ADH Antibody - Product Information

Application	WB, IF
Primary Accession	P35630
Reactivity	All Species
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	39215

ADH Antibody - Additional Information**Gene ID** 3407819**Application & Usage**

Western blotting (1-4 µg/ml) and immunofluorescence (5-20 µg/ml). However, the optimal conditions should be determined individually. Other applications have not been determined. The antibody detects a 38-46 kDa band in samples of human, mouse and rat origins. Cross-reactivity to other species has not been determined.

Other Names

Alcohol dehydrogenase

Target/Specificity

ADH

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti- ADH polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

ADH Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ADH Antibody - Protein Information

Name ADH1 {ECO:0000303|PubMed:1438208}

Function

Alcohol dehydrogenase with a preference for medium chain secondary alcohols, such as 2-butanol and isopropanol. Has very low activity with primary alcohols, such as ethanol. Under physiological conditions, the enzyme reduces aldehydes and 2-ketones to produce secondary alcohols. Is also active with acetaldehyde and propionaldehyde.

Cellular Location

Cytoplasm.

ADH Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ADH Antibody - Images**ADH Antibody - Background**

ADH (alcohol dehydrogenase) family of proteins metabolizes a variety of substances such as ethanol, retinal, other aliphatic alcohol, hydroxysteroids, and lipid peroxidation products. With the coenzyme NAD, ADH catalyzes the reversible conversion of organic alcohol to ketones or aldehydes. ADH plays a major role in ethanol metabolism.