

## ARG64122 anti-ADH5 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes ADH5
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cow, Dog, Pig
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ADH5
Species	Human
Immunogen	C-KKIKVDEFVTHN
Conjugation	Un-conjugated
Alternate Names	Glutathione-dependent formaldehyde dehydrogenase; hydroxymethyl; GSNOR; FDH; ADHX; EC 1.1.1.1; EC 1.1.1.-; Alcohol dehydrogenase class chi chain; GSH-FDH; S-; Alcohol dehydrogenase class-3; ADH-3; Alcohol dehydrogenase 5; FALDH; EC 1.1.1.284; Alcohol dehydrogenase class-III

### Application Instructions

Application table	Application	Dilution
	IHC-P	Assay - dependent
	WB	0.5 - 1.5 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

### Background

This gene encodes a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. The encoded protein forms a homodimer. It has virtually no activity for ethanol oxidation, but exhibits high activity for oxidation of long-chain primary alcohols and for oxidation of S-hydroxymethyl-glutathione, a spontaneous adduct between formaldehyde and glutathione. This enzyme is an important component of cellular metabolism for the elimination of formaldehyde, a potent irritant and sensitizing agent that causes lacrymation, rhinitis, pharyngitis, and contact dermatitis. The human genome contains several non-transcribed pseudogenes related to this gene. [provided by RefSeq, Oct 2008]

### Research Area Calculated Mw

Metabolism antibody; Signaling Transduction antibody  
40 kDa

## Images



ARG64122 anti-ADH5 antibody WB image

Western Blot: Human Testis lysate (35 µg protein in RIPA buffer) stained with ARG64122 anti-ADH5 antibody at 0.5 µg/ml dilution.