

ARG63710
anti-ADH (pan) antibodyPackage: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ADH (pan)
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	IHC, WB
Specificity	This antibody is expected to recognise the alpha (ADH1A, NP_000658.1), the beta (ADH1B, NP_000659.2) and gamma (ADH1C, NP_000660.1) polypeptide variants of human alcohol dehydrogenase.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ADH (pan)
Species	Human
Immunogen	STAGKVMKCKA
Conjugation	Un-conjugated
Alternate Names	ADH1; Alcohol dehydrogenase subunit alpha; EC 1.1.1.1; Alcohol dehydrogenase 1A

Application Instructions

Application table	Application	Dilution
	IHC	Assay - dependent
	WB	1 - 3 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 ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
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

Database links	GeneID: 124 Human Swiss-port # P07327 Human
Gene Symbol	ADH1A
Gene Full Name	alcohol dehydrogenase 1A (class I), alpha polypeptide
Background	This gene encodes a member of the alcohol dehydrogenase family. The encoded protein is the alpha subunit of class I alcohol dehydrogenase, which consists of several homo- and heterodimers of alpha, beta and gamma subunits. Alcohol dehydrogenases catalyze the oxidation of alcohols to aldehydes. This gene is active in the liver in early fetal life but only weakly active in adult liver. This gene is found in a cluster with six additional alcohol dehydrogenase genes, including those encoding the beta and gamma subunits, on the long arm of chromosome 4. Mutations in this gene may contribute to variation in certain personality traits and substance dependence. [provided by RefSeq, Nov 2010]
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	40 kDa

Images



ARG63710 anti-ADH (pan) antibody WB image

Western blot: Human Liver lysate (35 µg protein in RIPA buffer) stained with ARG63710 anti-ADH (pan) antibody at 1 µg/ml dilution.