

ARG55246 anti-ADH1B antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ADH1B
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Chk
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ADH1B
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 209-237 (Center) of Human ADH1B.
Conjugation	Un-conjugated
Alternate Names	HEL-S-117; ADH2; EC 1.1.1.1; Alcohol dehydrogenase subunit beta; Alcohol dehydrogenase 1B

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	ICC/IF	1:10 - 1:50
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	

Properties

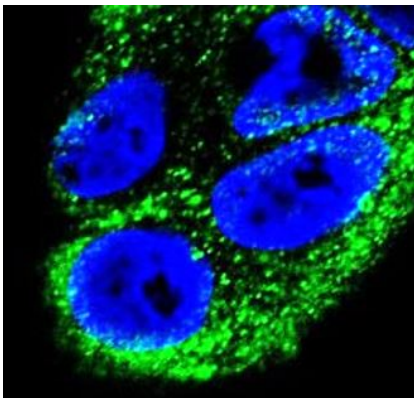
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage 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

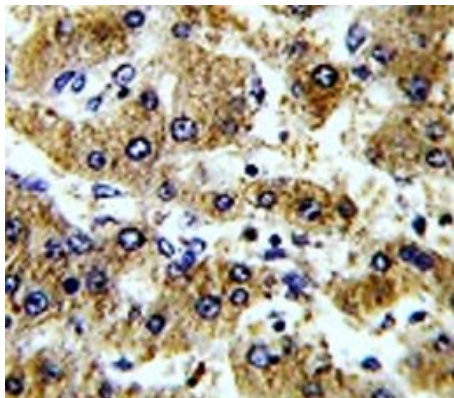
Database links	GeneID: 125 Human Swiss-port # P00325 Human
Gene Symbol	ADH1B
Gene Full Name	alcohol dehydrogenase 1B (class I), beta polypeptide
Background	The protein encoded by this gene is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. This encoded protein, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation and plays a major role in ethanol catabolism. Three genes encoding alpha, beta and gamma subunits are tandemly organized in a genomic segment as a gene cluster. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]
Function	Catalytic activity: An alcohol + NAD ⁺ = an aldehyde or ketone + NADH. [UniProt]
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	40 kDa

Images



ARG55246 anti-ADH1B antibody ICC/IF image

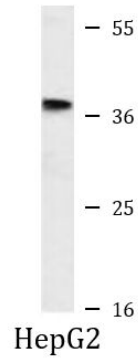
Immunofluorescence: HepG2 cells stained with ARG55246 anti-ADH1B antibody (green). DAPI (blue) for nuclear staining.



ARG55246 anti-ADH1B antibody IHC-P image

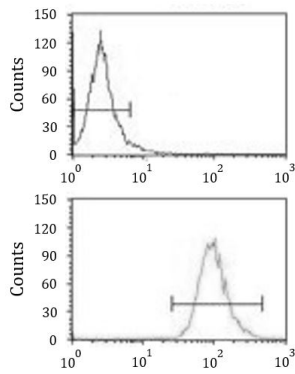
Immunohistochemistry: Formalin-fixed and paraffin-embedded Human hepatocarcinoma stained with ARG55246 anti-ADH1B antibody.

ARG55246 anti-ADH1B antibody WB image



Western blot: 35 μ g of HepG2 cell lysate stained with ARG55246 anti-ADH1B antibody.

ARG55246 anti-ADH1B antibody FACS image



Flow Cytometry: HepG2 cells stained with ARG55246 anti-ADH1B antibody (bottom histogram) or without primary antibody control (top histogram), followed by incubation with FITC labelled secondary antibody.