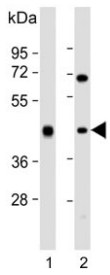
ADH1B Antibody / Alcohol dehydrogenase 1B (F54429)

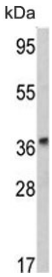
Catalog No.	Formulation	Size
F54429-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54429-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

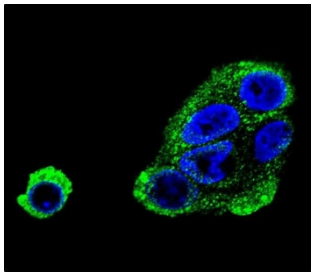
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	SAS precipitation
UniProt	P00325
Localization	Cytoplasmic
Applications	Immunofluorescence : 1:25 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
Limitations	This ADH1B antibody is available for research use only.



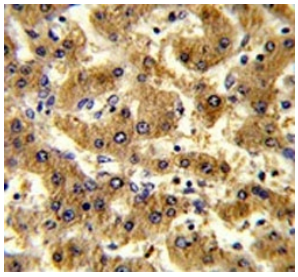
Western blot testing of human 1) liver and 2) Jurkat cell lysate with ADH1B antibody. Predicted molecular weight ~40 kDa.



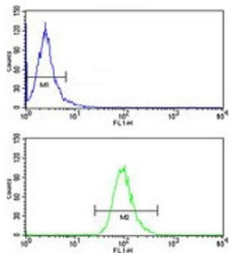
Western blot testing of human HepG2 cell lysate with ADH1B antibody. Predicted molecular weight ~40 kDa.



Immunofluorescent staining of human HepG2 cells with ADH1B antibody (green) and DAPI nuclear stain (blue).



IHC testing of FFPE human hepatocarinoma tissue with ADH1B antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human HepG2 cells with ADH1B antibody; Blue=isotype control, Green= ADH1B antibody.

Description

The protein 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the ADH1B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 209-237 from the human protein was used as the immunogen for the ADH1B antibody.

Storage

Aliquot the ADH1B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.