CoraLite®594-conjugated ADH1B Monoclonal antibody

Catalog Number:CL594-66939 **Featured Product**

Basic Information

Catalog Number:
CL594-66939

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG10630

GenBank Accession Number:
BC033009

GeneID (NCBI):
125

UNIPROT ID:
P00325

Full Name:
alcohol dehydrogenase 1B (class I), beta polypeptide

Calculated MW:
375 aa, 40 kDa

Observed MW:
35-40 kDa

Purification Method:
Protein A purification

CloneNo.:
1F1B4

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
Human, Mouse, Rat, Pig

Positive Controls:
IF/ICC : HepG2 cells,

Background Information

The ADH1B gene encodes the beta subunit of class I alcohol dehydrogenase (ADH), an enzyme that catalyzes the rate-limiting step for ethanol metabolism: the oxidation of alcohol to acetaldehyde. Class 1 ADH is a homo- or heterodimeric molecule, formed by the association of 3 types of class I ADH subunits, alpha (ADH1A), beta, and gamma(ADH1C). ADH1B is also named as ADH2 and belongs to the zinc-containing alcohol dehydrogenase family. This protein can exsit as a homodimer(PMID:19365573).

Storage

Storage:
Store at -20℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
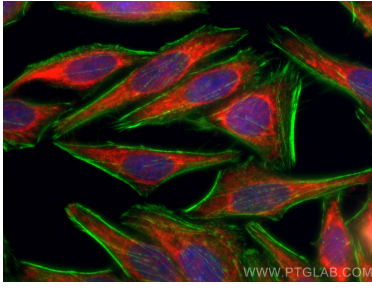Aliquoting is unnecessary for -20°C storage

Selected Validation Data

Immunofluorescent analysis of (-20℃ Ethanol) fixed HepG2 cells using CoraLite®594 ADH1B antibody (CL594-66939, Clone: 1F1B4) at dilution of 1:200, CL488-Phalloidin (green).