

For Research Use Only



CoraLite® Plus 488-conjugated ADH4 Monoclonal antibody

Catalog Number: **CL488-67303**

Basic Information

Catalog Number: CL488-67303	GenBank Accession Number: BC022319	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 127	CloneNo.: 3D12E9
Source: Mouse	UNIPROT ID: P08319	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: alcohol dehydrogenase 4 (class II), pi polypeptide	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG9884	Calculated MW: 380 aa, 40 kDa	
	Observed MW: 40-43 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: Human	

Background Information

This gene encodes the class II alcohol dehydrogenase 4 pi subunit, which 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. Class II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. ADH4 plays a critical role in alcoholism development and alcohol toxicology and is also associated with the development of esophageal cancer(PMID:33556337, 26039424, 24051444, 22147505).

Storage

Storage:
Store at -20°C. 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

For technical support and original validation data for this product please contact:

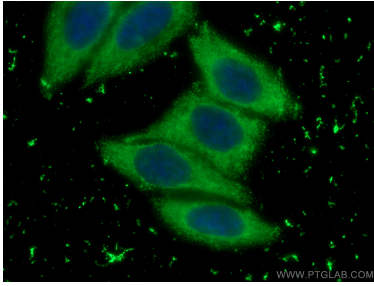
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 ADH4 antibody (CL488-67303, Clone: 3D12E9) at dilution of 1:200.