

For Research Use Only

CoraLite® Plus 488-conjugated D2HGDH Monoclonal antibody

Catalog Number: CL488-66364



Basic Information

Catalog Number: CL488-66364	GenBank Accession Number: BC036604	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 728294	CloneNo.: 1E9B3
Source: Mouse	UNIPROT ID: Q8N465	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: D-2-hydroxyglutarate dehydrogenase	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG5036	Calculated MW: 521 aa, 56 kDa	
	Observed MW: 56 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human, mouse, rat	

Background Information

D2HGDH(D-2-hydroxyglutarate dehydrogenase, mitochondrial) is also named as D2HGD and belongs to the FAD-binding oxidoreductase/transferase type 4 family. It catalyzes the oxidation of D-2-hydroxyglutarate to alpha-ketoglutarate. Defects in D2HGDH are the cause of D-2-hydroxyglutaric aciduria type 1 (D2HGA1).

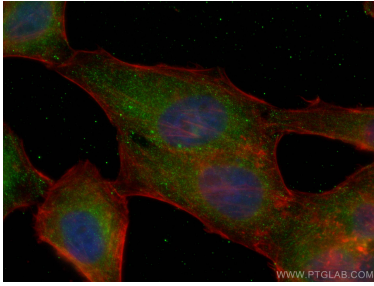
Storage

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

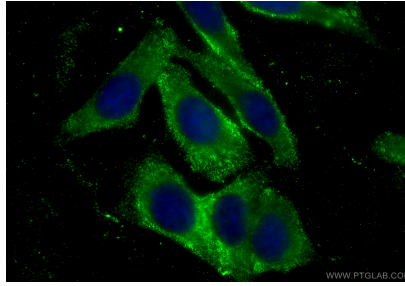
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 D2HGDH antibody (CL488-66364, Clone: 1E9B3) at dilution of 1:200, CL594-phalloidin (red).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 D2HGDH antibody (CL488-66364, Clone: 1E9B3) at dilution of 1:200.