

For Research Use Only

CoraLite® Plus 488-conjugated LACTB Monoclonal antibody



Catalog Number:CL488-66785

Basic Information

Catalog Number: CL488-66785	GenBank Accession Number: BC067288	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 114294	CloneNo.: 3C3C3
Source: Mouse	UNIPROT ID: P83111	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: lactamase, beta	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG12233	Calculated MW: 547 aa, 61 kDa	
	Observed MW: 50-60 kDa	

Applications

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

Background Information

LACTB is also named as MRPL56, which is a component of the large subunit of the mitochondrial ribosome that is encoded by the nuclear genome. LACTB is a mammalian active-site serine protein that has evolved from a bacterial penicillin-binding protein. It promotes intramitochondrial membrane organization and micro-compartmentalization through polymerization (PMID:19858488). Northern blot analysis of mouse tissues detected expression at high levels in liver, heart, and skeletal muscle, with lower levels in kidney, testis, brain, lung, and spleen (PMID:11707067). The full-length of LACTB is about 61 kDa, and a 115aa transit peptide can be removed in the mature form.

Storage

Storage:
Store at -20°C. Avoid exposure to light.
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:

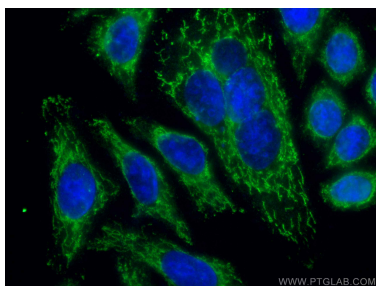
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 LACTB antibody (CL488-66785, Clone: 3C3C3) at dilution of 1:100.