For Research Use Only

LACTB Monoclonal antibody

Catalog Number:66785-1-lg Featured Product 4 Publications

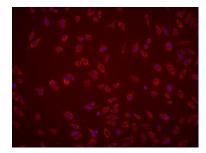


Basic Information	Catalog Number: 66785-1-lg	GenBank Accession Number: BC067288		Purification Method: Protein G purification		
	Size:	GenelD (NCBI):		CloneNo.:		
	150ul , Concentration: 1600 ug/ml by			3C3C3 Recommended Dilutions: WB 1:1000-1:6000		
	Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;					
	Source:	Full Name:		IHC 1:150-1:600 IF/ICC 1:800-1:3200		
	Mouse	lactamase, beta			0	
	Isotype:	Calculated MW:				
	lgG1	547 aa, 61 kDa				
	Immunogen Catalog Number: AG12233	Observed MW: 50-60 kDa				
Applications	Tested Applications:		Positive Con	Positive Controls:		
	WB, IHC, IF/ICC, ELISA WB : HeLa c			cells, HEK-293 cells, HepG2 cells, Jurkat		
	Cited Applications:		cells			
	WB, IHC, IF, IP		IHC : human liver cancer tissue,			
	Species Specificity: human		IF/ICC : A549	A549 cells,		
	Cited Species:					
	human, mouse					
	Note-IHC: suggested antigen ro TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen				
Background Information	LACTB is also named as MRPL56, whic 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 61kDa, and a 115aa transit peptide can be removed in the mature form.					
		ano a 112aa nansir bi			form.	
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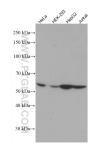
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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

Selected Validation Data



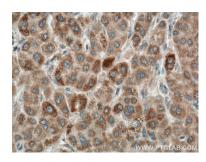
Immunofluorescent analysis of (4% PFA) fixed A549 cells using LACTB antibody (66785-1-1g, Clone: 3C3C3) at dilution of 1:1600 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



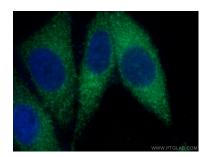
Various lysates were subjected to SDS PAGE followed by western blot with 66785-1-lg (LACTB antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66785-1-1g (LACTB antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66785-1-1g (LACTB antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66785-1-Ig (LACTB antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).