For Research Use Only

## LIAS Monoclonal antibody

Catalog Number:67298-1-lg 2 Publications



Basic Information	Catalog Number: 67298-1-lg	GenBank Accession Nu BC023635	umber:	Purification Method: Protein G purification
	Size:	GenelD (NCBI):		CloneNo.:
	150ul , Concentration: 1700 ug/ml by	11019		3B5G7
	Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	043766		Recommended Dilutions: WB: 1:1000-1:6000 IHC: 1:500-1:2000
	Source:			
	Mouse	Full Name: lipoic acid synthetase		
	Isotype:	Calculated MW:		
	lgG1	372 aa, 42 kDa		
	Immunogen Catalog Number: AG27286	Observed MW: 34-42 kDa		
Applications	Tested Applications:		Positive Con	itrols:
	WB, IHC, ELISA		WB: LNCaP cells, pig brain tissue, HEK-293 cells, K-56	
	Cited Applications: cells, rat WB, IHC		cells, rat brai	in tissue, mouse brain tissue
	Species Specificity:		IHC : mouse	brain tissue,
	human, mouse, rat, pig			
	Cited Species:			
	human			
	Note-IHC: suggested antigen ro TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen		
Background Information	TE buffer pH 9.0; (*) Alternative retrieval may be performed we buffer pH 6.0 LIAS(lipoyl synthase, mitochondrial) synthase family. It produces alpha-lip dehydrogenase complexes, which par deduced 373-amino acid protein has a encode a potential mitochondrial targ	rely, antigen ith citrate is also named as LAS ar boic acid, an antioxidar rticipate in glucose oxid a calculated molecular geting presequence tha lecular mass of about 3	nt and an essen dation and AT mass of about t, upon remov 9 kD(PMID:11	P generation(PMID:22021711). The t 42 kD. The N-terminal 26 amino acids
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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 freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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## Selected Validation Data





LNCaP cells were subjected to SDS PAGE followed by western blot with 67298-1-1g (LIAS antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 67298-1-Ig (LIAS antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).