For Research Use Only

PDH E1 Alpha Monoclonal antibody

Catalog Number:66119-1-lg Featured Product 12 Publications

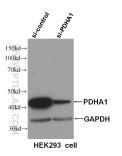


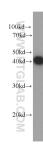
Basic Information	Catalog Number: 66119-1-lg	GenBank Accession Number: BC002406	Purification Method: Protein A purification				
	Size:	GenelD (NCBI):	CloneNo.:				
	150ul , Concentration: 2400 ug/ml by	5160	2B3C10				
	Nanodrop and 1867 ug/ml by Bradford	^d UNIPROT ID:	Recommended Dilutions:				
	method using BSA as the standard;	P08559	WB: 1:5000-1:50000				
	Source: Mouse	Full Name:	IP: 0.5-4.0 ug for 1.0-3.0 mg of total				
	Isotype: IgG2a Immunogen Catalog Number: AG12556	pyruvate dehydrogenase (lipoamide) alpha 1 Calculated MW: 43 kDa Observed MW: 43 kDa	IHC: 1:400-1:1600				
			IF/ICC: 1:20-1:200				
				Applications	Tested Applications:	Positive Controls: WB : HEK-293 cells, HEK293 cells IP : K-562 cells, IHC : human liver cancer tissue, human heart tissue, human liver tissue IF/ICC : HepG2 cells,	
					WB, IHC, IF/ICC, IP, ELISA		
					Cited Applications: WB, IF, IP		
Species Specificity: human							
Cited Species: human							
	retrieval may be performed w. buffer pH 6.0	ith citrate					
Background Information	buffer pH 6.0 PDHA1(Pyruvate dehydrogenase E1 cc PHE1A.It is one of the 3 enzymes of th matrix multienzyme complex that pro- cycle by catalyzing the irreversible co	omponent subunit alpha, somatic fo ne pyruvate dehydrogenase comple ovides the primary link between gl onversion of pyruvate into acetyl-C ects in PDHA1 are a cause of pyruva	x which is a nuclear-encoded mitochondria ycolysis and the tricarboxylic acid (TCA)				
	buffer pH 6.0 PDHA1(Pyruvate dehydrogenase E1 cc PHE1A.It is one of the 3 enzymes of th matrix multienzyme complex that pro cycle by catalyzing the irreversible cc produced by alternative splicing.Defe (PDHAD) and X-linked Leigh syndrome	omponent subunit alpha, somatic fo ne pyruvate dehydrogenase comple ovides the primary link between gl onversion of pyruvate into acetyl-C ects in PDHA1 are a cause of pyruva	x which is a nuclear-encoded mitochondria ycolysis and the tricarboxylic acid (TCA) oA(PMID:7853374).It has 4 isoforms te dehydrogenase E1-alpha deficiency				
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Background Information Notable Publications	buffer pH 6.0 PDHA1(Pyruvate dehydrogenase E1 cc PHE1A.It is one of the 3 enzymes of th matrix multienzyme complex that pro cycle by catalyzing the irreversible cc produced by alternative splicing.Defe (PDHAD) and X-linked Leigh syndrom Author Pubr Jin-Long Pang 3452	omponent subunit alpha, somatic fo ne pyruvate dehydrogenase comple ovides the primary link between gl onversion of pyruvate into acetyl-Co ects in PDHA1 are a cause of pyruva e (X-LS).	ex which is a nuclear-encoded mitochondria ycolysis and the tricarboxylic acid (TCA) oA(PMID:7853374).It has 4 isoforms te dehydrogenase E1-alpha deficiency Application				
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Notable Publications	buffer pH 6.0 PDHA1(Pyruvate dehydrogenase E1 cc PHE1A.It is one of the 3 enzymes of th matrix multienzyme complex that pro- cycle by catalyzing the irreversible cc produced by alternative splicing.Defe (PDHAD) and X-linked Leigh syndrome Author Pubr Jin-Long Pang 3453 Xiaoyu Ma 2530 Yajuan Zhang 3533	omponent subunit alpha, somatic for ne pyruvate dehydrogenase comple povides the primary link between glu porversion of pyruvate into acetyl-Cr cts in PDHA1 are a cause of pyruvar e (X-LS). med ID Journal 37213 Toxicol Appl Pharm D1052 Nat Commun 15437 Nat Metab	x which is a nuclear-encoded mitochondri ycolysis and the tricarboxylic acid (TCA) oA(PMID:7853374).1t has 4 isoforms te dehydrogenase E1-alpha deficiency Application macol WB WB				
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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

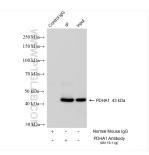
Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

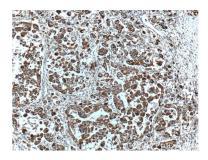




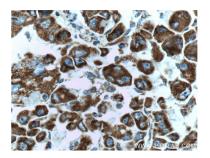
WB result of PDHA1 antibody (66119-1-lg, 1:30000) with si-control and si-PDHA1 transfected HEK293 cells. HEK-293 cells were subjected to SDS PAGE followed by western blot with 66119-1-lg (PDH E1a antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



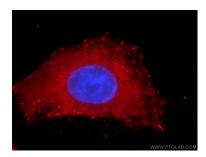
IP result of anti-PDH E1 Alpha (IP:66119-1-Ig, 4ug; Detection:66119-1-Ig 1:10000) with K-562 cells lysate 1820 ug.



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66119-1-1g (PDH E1a antibody at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 66119-1-1g (PDH E1a antibody at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells using 66119-1-Ig (PDH E1a antibody) at dilution of 1:100 and Rhodamine-Goat anti-Mouse IgG.