For Research Use Only

UCP1 Polyclonal antibody Catalog Number:23673-1-AP Featured Product

124 Publications



Basic Information	Catalog Number: 23673-1-AP	GenBank Accession Number: BC098168	Purification Method: Antigen affinity purification	
	Size: 150ul, Concentration: 560 ug/ml by Nanodrop; Source: Rabbit Isotype:	GenelD (NCBI):	Recommended Dilutions: WB: 1:1000-1:6000 IHC: 1:50-1:500	
		7350		
		UNIPROT ID:		
		P25874		
		Full Name: uncoupling protein 1 (mitochondrial, proton carrier)		
	lgG			
	Immunogen Catalog Number: AG20388	Calculated MW: 307 aa, 33 kDa		
		Observed MW: 33 kDa		
Applications	Tested Applications:	Positive Controls:		
	WB, IHC, ELISA Cited Applications:	WB : mouse brown adipose tissue, mouse skeletal muscle tissue		
	WB, IHC, IF	IHC : mouse	brown adipose tissue, rat brain tissue	
	Species Specificity: human, mouse, rat			
	Cited Species:			
	human, mouse, rat, bovine, hamster, goat			
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
	buffer pH 6.0			
Background Information	UCP-1 (Mitochondrial uncoupling pro the inner mitochondrial membrane,	thus uncoupling oxidative phosphory olic thermogenesis to avoid an exces	lation from ATP synthesis. It has been s of fat accumulation. UCP-1 expression	
	UCP-1 (Mitochondrial uncoupling pro the inner mitochondrial membrane, identified a key molecule for metab usually restricted to brown adipose v	thus uncoupling oxidative phosphory olic thermogenesis to avoid an exces	lation from ATP synthesis. It has been s of fat accumulation. UCP-1 expression	
	UCP-1 (Mitochondrial uncoupling pro the inner mitochondrial membrane, identified a key molecule for metab usually restricted to brown adipose w Author Put	thus uncoupling oxidative phosphory olic thermogenesis to avoid an exces when induced by cold exposure and t	lation from ATP synthesis. It has been is of fat accumulation. UCP-1 expression hyroid hormone.	
Background Information Notable Publications	UCP-1 (Mitochondrial uncoupling pro the inner mitochondrial membrane, identified a key molecule for metab usually restricted to brown adipose v Author Put Xiaoqian Zeng 361	thus uncoupling oxidative phosphory olic thermogenesis to avoid an exces when induced by cold exposure and the omed ID Journal	ss of fat accumulation. UCP-1 expression nyroid hormone. Application	
	UCP-1 (Mitochondrial uncoupling pro the inner mitochondrial membrane, identified a key molecule for metab usually restricted to brown adipose v Author Put Xiaoqian Zeng 361 Lijun Zhao 302	thus uncoupling oxidative phosphory olic thermogenesis to avoid an excess when induced by cold exposure and the pomed ID Journal 169214 Food Funct	lation from ATP synthesis. It has been so of fat accumulation. UCP-1 expression nyroid hormone. Application WB,IHC	

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

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23673-1-AP (UCP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



mouse brown adipose tissue were subjected to SDS PAGE followed by western blot with 23673-1-AP (UCP1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded mouse brown adipose tissue slide using 23673-1-AP (UCP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse brown adipose tissue slide using 23673-1-AP (UCP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).