For Research Use Only

CKM-Specific Monoclonal antibody

Catalog Number:60177-1-lg 1 Publications

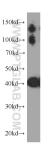


Basic Information	Catalog Number: 60177-1-lg	GenBank Accession Numb BC007462	per: Purification Method: Protein A purification	
	Size:	GeneID (NCBI):	CloneNo.:	
	150ul , Concentration: 3500 ug/ml by	1158	2G3F6	
	Nanodrop and 2027 ug/ml by Bradford		Recommended Dilutions:	
	method using BSA as the standard;	P06732	WB 1:500-1:1000	
	Source: Mouse	Full Name:	IHC 1:1000-1:4000 IF-P 1:200-1:800	
	Isotype:	creatine kinase, muscle		
	IgG2a	Calculated MW: 43 kDa		
		Observed MW: 43 kDa, 90 kDa, 130 kDa		
Applications	Tested Applications: Pos WB, IHC, IF-P, ELISA		sitive Controls:	
	Cited Applications:		WB : Human skeletal muscle, human skeletal muscle tissue	
	WB	IH	IHC : human liver tissue, mouse heart tissue, mouse	
	Species Specificity: human, mouse, rat		is tissue, rat brain tissue, rat testis tissue	
	Cited Species: human	IF.	P. mouse heart tissue,	
	TE buffer pH 9.0; (*) Alternativ retrieval may be performed wi buffer pH 6.0			
Background Information	CKM, also named as CKMM and M-CK, cytoplasmic enzyme involved in ener CKM reversibly catalyzes the transfer phosphate. It acts as a homodimer in s brain isozyme in heart. CK isoenzyme energy demands, such as skeletal mu chains. With MM being the major form	gy homeostasis and is an of phosphate between ATI striated muscle as well as s play a central role in ene scle, heart, brain and sperr i in skeletal muscle and m and the 90-kDa and 130-k	anido phosphotransferase protein family. It is a important serum marker for myocardial infarctio P and various phosphogens such as creatine in other tissues, and as a heterodimer with a sim rgy transduction in tissues with large, fluctuating natozoa. CK MB consists of a dimer of nonidentic yocardium, MB existing in myocardium. CKM has Da bands could be due to acovalent cross-linking	
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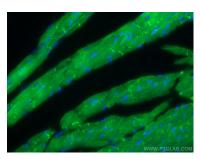
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

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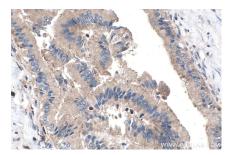
Selected Validation Data



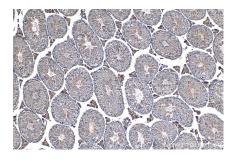
human skeletal muscle tissue were subjected to SDS PACE followed by western blot with 60177-1-Ig (CKM-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using CKM-Specific antibody (60177-1-Ig, Clone: 2G3F6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



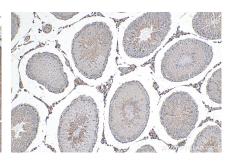
Immunohistochemical analysis of paraffinembedded human liver tissue slide using 60177-1-Ig (CKM-Specific antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse testis tissue slide using 60177-1-Ig (CKM-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



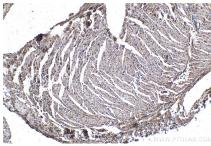
Immunohistochemical analysis of paraffinembedded rat brain tissue slide using 60177-1-lg (CKM-Specific antibody) at dilution of 1:1000 (under 10x (ens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



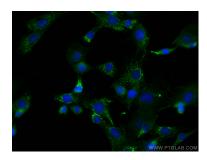
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Immunohistochemical analysis of paraffinembedded human liver tissue slide using 60177-1-Ig (CKM-Specific antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse heart tissue slide using 60177-1-Ig (CKM-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed C2C12 cells using CKM-Specific antibody (60177-1-Ig, Clone: 2G3F6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).