For Research Use Only

## Phospho-AMPK Beta 1 (Ser182) Recombinant antibody

Catalog Number:83924-1-RR 4 Publications

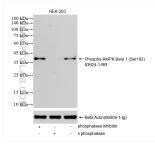


Basic Information	Catalog Number: 83924-1-RR	GenBank Accession Number: BC001007	Purification Method: Protein A purfication	
	Size:	GenelD (NCBI):	CloneNo.:	
	100ul , Concentration: 500 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG		240628B1	
		UNIPROT ID:	Recommended Dilutions:	
		Q9Y478	WB 1:500-1:2000	
		Full Name:		
		protein kinase, AMP-activated, beta 1 non-catalytic subunit		
		Calculated MW: 38 kDa		
		Observed MW: 38 kDa		
Applications	Tested Applications:	Positive Controls:		
	WB, ELISA	WB : HEK-293 cells, $\lambda$ phosphatase treated HEK-293		
	Cited Applications: WB	cells		
	Species Specificity: human			
	Cited Species:			
	Cited Species: human, mouse, rat			
Background Information	human, mouse, rat AMPK Beta 1 (5'-AMP-activated prote serine/threonine kinase that exists subunits, has been recognized as a s metabolic enzymes, cell growth, app energy sensor and plays an essentia including those that induce changes 27812976, PMID: 26616193). Recent	as a heterotrimer comprised of a c ensor of cellular energy homeosta optosis, gene transcription, and pro l role in the control of cellular bio in the cellular AMP:ATP ratio or m studies have shown that AMPK me (76). AMPK also inhibits the express	hamed as PRKAB1 and AMPK. AMPK, a atalytic α-subunit and regulatory β- and γ- sis (PMID: 21937710). AMPK regulates key btein synthesis (PMID: 12829246). AMPK is ar energetics by responding to various stresses iodulation in intracellular calcium (PMID: ediates the inhibition of cell proliferation an ssion of Glut1 and glycolysis in Tregs by izes phosphorylated AMPK Beta 1.	
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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<br/>in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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## Selected Validation Data



Non-treated HEK-293 cells, phosphatase inhibitor treated HEK-293 cells and  $\lambda$  phosphatase treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 83924-1-RR (Phospho-AMPK Beta 1 (Ser182) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Beta Actin (66009-1-lg) antibody as a loading control.