For Research Use Only

Phospho-MST1 (Thr183)/MST2 (Thr180) Recombinant antibody

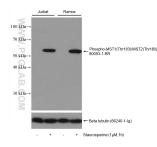
Catalog Number:80093-1-RR 7 Publications

Basic Information	Catalog Number: 80093-1-RR	GenBank Accession Number: BC005231	Purification Method: Protein A purification	
	Concentration: 500 ug/ml	GeneID (NCBI): 6789	CloneNo.: 1P6	
	Source: Rabbit	UNIPROT ID: Q13043	Recommended Dilutions: WB 1:2000-1:10000	
	lsotype: IgG	Full Name: serine/threonine kinase 4		
		Calculated MW: 56 kDa		
		Observed MW: 59 kDa		
Applications	Tested Applications: WB, FC (Intra), ELISA		Positive Controls:	
	Cited Applications:	pplications: NIH/3T3 cells, Calyculin A treated HeLa cells,		
	WB Species Specificity: human, mouse		Staurosporine treated Ramos cells, Staurosporine treated Jurkat cells	
	Cited Species: human, mouse, rat			
Packground Information	Mammalian STE20-like se	rine-threonine kinase MST1. encoded by t	he STK4 gene, is a multifunctional protein. MS	
Background Information	And its closest paratogs in 3 Center Family of Protein Ki of the Hippo tumor suppres LATS1/2 signaling cascade protein 1) and its close para biological outputs, such as Lines of evidence have ind disorders and carcinogenes response to cell-death indu key activation mechanism caspases under apoptotic c	T2 (encoded by the STK3 gene), MST3, and inases . STK3/4 and LATS1/2 (large tumor isor pathway in mammalians . In the conv phosphorylates and inactivates the trans alog WWTR1]. YAP1 and WWTR1 do not ha cell proliferation and survival, by interac- icated that dysregulation or loss of STK4/ sis with poor prognosis. STK4 is a stress-in ucers. Autophosphorylation of STK4 at Thr: for STK4/3 because phosphorylation of TI onditions. The caspase-cleavage results i u, which localizes into the nucleus and ind	d MST4 are members of the Class II Germinal suppressor 1 and 2) are core kinase componer entional Hippo pathway, the STK3/4 and criptional coactivator YAP1 (yes associated ve DNA binding domains and they exert their ting with the TEAD1-4 transcription factors. Hippo signaling is linked to developmental duced kinase and it can be activated in 183 (Thr180 in STK3) in the activation loop is a nr183/180 causes the cleavage of STK4 by	
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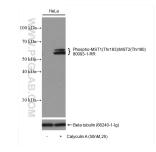
For technical support and original validation data for this product please contact: E: Proteintech-CN@ptglab.com T: 4006900926 W: ptgcn.com This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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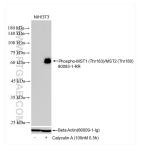
Selected Validation Data



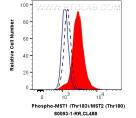
Non-treated Ramos and Jurkat and Staurosporine treated Ramos and Jurkat cells were subjected to SDS PAGE followed by western blot with 80093-1-RR (Phospho-MST1 (Thr183)/MST2 (Thr180) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Tubulin (66240-1-Ig) antibody as a loading control.



Non-treated HeLa cells and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 80093-1-RR (Phospho-MST1 (Thr183)/MST2 (Thr180) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Tubulin (66240-1-lg) antibody as a loading control.



Non-treated NIH/3T3 cells and Calyculin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 80093-1-RR (Phospho-MST1 (Thr183)/MST2 (Thr180) antibody) at dilution of 1.2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-lg) antibody as a loading control.



1X10^{^6} Calyculin A treated HeLa cells were intracellularly stained with 0.25 ug Anti-Human Phospho-MST1 (Thr183)/MST2 (Thr180) (80093-1-RR, Clone:1P6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit [gC(H+L) at dilution 1:1000 (red), or 0.25 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with 90% MeOH.