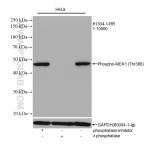
Basic Information	Catalog Number: 81304-1-RR	GenBank Accession Number: BC 139729	Purification Method: Protein A purification	
	Concentration:	GenelD (NCBI):	CloneNo.:	
	1000 ug/ml	5604	6K5	
	Source: Rabbit	ENSEMBL Gene ID: ENSG00000169032	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:50-1:500	
	Isotype: IgG	UNIPROT ID: Q02750		
		Full Name: mitogen-activated protein kinase kinase 1		
		Calculated MW: 43 kDa		
		Observed MW: 40-50 kDa		
Applications	Tested Applications:	Positive Controls:		
	WB, IF/ICC, FC (Intra), ELISA	WB : HeLa c	WB : HeLa cells, λ phosphatase treated HeLa cells	
	Cited Applications: WB	IF/ICC : λ	phosphatase treated HeLa cells,	
	Species Specificity: human			
	Cited Species: human			
Background Information	phosphorylation that together le ERK2 through a region in the N te involved in MEK-ERK association phosphorylation on S298 in the N MEK1 T292 is a substrate of ERK2 suggesting several regulators of	rminus of MEK. In addition, a proline-rich	ignaling pathway. MEK1 bind directly to n (PR) regulatory sequence in MEK is also etween MEK1 and ERK2 is enhanced throug n on MEK1 T292 releases the complex. basal level when ERK2 is inhibited, 2 has been conserved, it lacks the T292	
Notable Publications				
Notable Publications	Author	Pubmed ID Journal	Application	

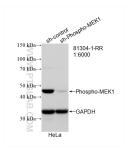
For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

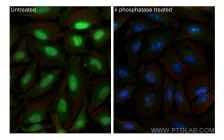
Selected Validation Data



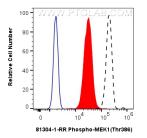
Non-treated HeLa cells, phosphatase inhibitor treated and λ phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 81304-1-RR (Phospho-MEK1 (Thr386) antibody) at dilution of 1.10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



WB result of Phospho-MEK1 (Thr386) antibody (81304-1-RR; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Phospho-MEK1 (Thr386) transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed λ phosphatase treated HeLa cells using Phospho-MEK1 (Thr386) antibody (81304-1-RR, Clone: 6K5) at dilution of 1:200 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1X10^6 HeLa cells (dashed untreated ines) or treated with λ phosphatase which intracellularly stained with 0.06 ug Phospho-MEK1 (Thr386) Recombinant antibody (81304-1-RR, Clone:6K5) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.06 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.