

For Research Use Only

# Phospho-TAK1 (Ser439) Recombinant monoclonal antibody, PBS Only

Catalog Number:87129-2-PBS



## Basic Information

<b>Catalog Number:</b> 87129-2-PBS	<b>GenBank Accession Number:</b> NM_145331	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6885	<b>CloneNo.:</b> 252365A7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43318	
<b>Isotype:</b> IgG	<b>Full Name:</b> mitogen-activated protein kinase kinase kinase 7	
	<b>Calculated MW:</b> 67 kDa	
	<b>Observed MW:</b> 75-85 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

MAP3K7(Mitogen-activated protein kinase kinase kinase 7) is also named TAK1 and belongs to the MAP kinase kinase kinase subfamily. Phospho-TAK1 (Ser439) refers to the phosphorylated form of TAK1 at serine residue 439. TAK1, also known as Transforming Growth Factor-beta activated kinase 1, is a key kinase involved in the regulation of various signaling pathways, including those related to inflammation, immune responses, and cell survival. The phosphorylation of TAK1 at Ser439 is an important post-translational modification that can affect its activity and interaction with other proteins within these pathways. This phosphorylation event is crucial for TAK1's role in signal transduction and its involvement in cellular processes such as the activation of NF-κB and MAPK pathways. It plays a significant role in the activation of downstream signaling cascades that regulate various cellular processes, including cell growth, proliferation, and survival. This antibody is equivalent to Ser412 in mice.

## Storage

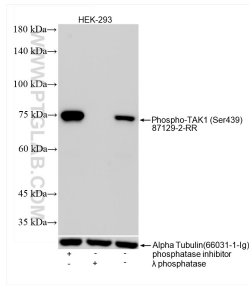
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
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## Selected Validation Data



Non-treated HEK-293 cells, phosphatase inhibitor treated HEK-293 cells and λ phosphatase treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 87129-2-RR (Phospho-TAK1 (Ser439) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 87129-2-

