

For Research Use Only

# Phospho-Paxillin (Tyr118) Recombinant antibody

Catalog Number: 81180-2-RR



## Basic Information

<b>Catalog Number:</b> 81180-2-RR	<b>GenBank Accession Number:</b> BC136787	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5829	<b>CloneNo.:</b> 241063E10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P49023	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> paxillin	
	<b>Calculated MW:</b> 591 aa, 65 kDa	
	<b>Observed MW:</b> 68 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : pervanadate treated HeLa cells,
<b>Species Specificity:</b> human	

## Background Information

Paxillin (p68-kD) is one of the integrin assembly proteins and can interact directly with several integrin assembly proteins, including vinculin, talin,  $\beta$ 1 integrin, focal adhesion kinase (FAK), c-Src and Csk. Integrin-mediated tyrosine phosphorylation also enables paxillin to interact with various signaling molecules: tyrosine residues (Y) 31 and 118 being especially predominant targets of phosphorylation by kinases and creating binding sites for the SH2 domain of adaptor protein Crk. Thus, paxillin plays a pivotal role in cell adhesion, migration and further oncogenic transformation. (PMID: 11774284)

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

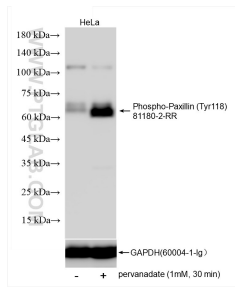
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## Selected Validation Data



Non-treated and pervanadate treated HeLa cells were subjected to SDS PAGE followed by western blot with 81180-2-RR (Phospho-Paxillin (Tyr118) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.