

For Research Use Only

# Phospho-NF2 (Ser518) Polyclonal antibody



Catalog Number: 28851-1-AP

## Basic Information

<b>Catalog Number:</b> 28851-1-AP	<b>GenBank Accession Number:</b> BC007279	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 200 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4771	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Source:</b> Rabbit	<b>Full Name:</b> neurofibromin 2 (merlin)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 70 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Calyculin A treated HEK-293T cells, Calyculin A treated PC-3 cells, HEK-293T cells
<b>Species Specificity:</b> Human	

## Background Information

Neurofibromatosis 2 (NF2) tumor suppressor protein-merlin is involved in Hippo/SWH signaling pathway that associated with tumor suppression by restricting proliferation and promoting apoptosis. It has been reported that merlin can change to phosphorylation form which inactivates merlin tumor suppressive abilities at serine 518 induced by Rac effector p21-activated kinase 2. The mutation of the NF2 tumor suppressor gene may lead to nervous system tumors, mesotheliomas and metastatic tumors. 28851-1-AP antibody is specific to phosphorylation of NF2 at serine 518. (PMID: 11782491, 14724586, 18361411, 18835652, 32115406)

## Storage

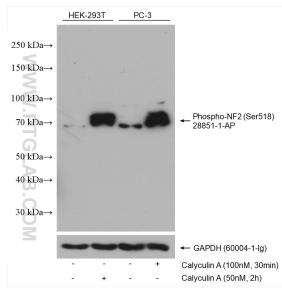
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

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  
W: ptglab.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 and Calyculin A treated cells were subjected to SDS PAGE followed by western blot with 28851-1-AP (Phospho-NF2 (Ser518) antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.