For Research Use Only

Phospho-Neurofibromin 2 (Ser518) Polyclonal antibody

Catalog Number:28851-1-AP

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Basic Information

Catalog Number:
28851-1-AP

Size:
100ul , Concentration: 200 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC007279

GeneID (NCBI):
4771

UNIPROT ID:
P35240

Full Name:
neurofibromin 2 (merlin)

Calculated MW:
70 kDa

Observed MW:
70 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:8000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human

Positive Controls:

WB : Calyculin A treated HEK-293T cells, Calyculin A treated PC-3 cells, HEK-293T cells

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
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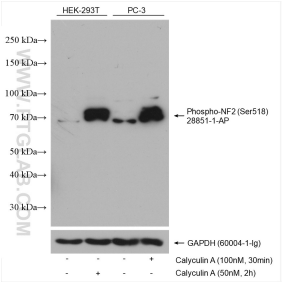
Selected Validation Data



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.