

For Research Use Only

# Neurofibromin 2 Polyclonal antibody

Catalog Number: 10659-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 10659-1-AP	<b>GenBank Accession Number:</b> BC007279	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4771	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P35240	
<b>Isotype:</b> IgG	<b>Full Name:</b> neurofibromin 2 (merlin)	
<b>Immunogen Catalog Number:</b> AG1013	<b>Calculated MW:</b> 70 kDa	
	<b>Observed MW:</b> 64-66 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> Jurkat cells, human kidney tissue, mouse kidney tissue, NIH/3T3 cells, rat kidney tissue
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> human stomach tissue,
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wenbo Ma	38641672	J Exp Clin Cancer Res	WB

## Storage

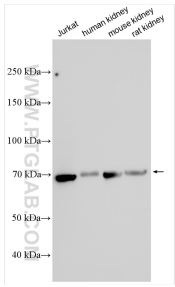
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

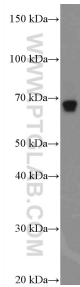
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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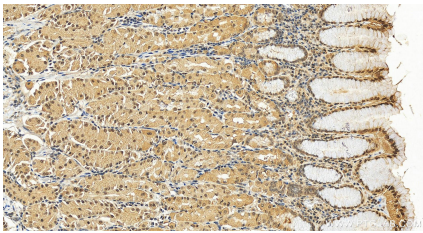
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10659-1-AP (Neurofibromin 2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 10659-1-AP (Neurofibromin 2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 10659-1-AP (Neurofibromin 2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).