

For Research Use Only

# RanBP2 Polyclonal antibody

Catalog Number: 27606-1-AP

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 27606-1-AP	<b>GenBank Accession Number:</b> NM_006267	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5903	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> RAN binding protein 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 358 kDa	
<b>Immunogen Catalog Number:</b> AG26370	<b>Observed MW:</b> 358 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB: HeLa cells, IHC: rat liver tissue, mouse kidney tissue
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> Human, mouse, rat	
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

RanBP2 (Ran-binding protein 2) is also named as p270 and NUP358, and belongs to the RanBP2 E3 ligase family. RanBP2 is E3 SUMO-protein ligase which facilitates SUMO1 and SUMO2 conjugation by UBE2I (PMID:11792325, PMID:22194619). RanBP2 involved in transport factor (Ran-GTP, karyopherin)-mediated protein import via the F-G repeat-containing domain which acts as a docking site for substrates (PMID:7775481). It is component of the nuclear export pathway (PMID:10078529). RanBP2 recruits BICD2 to the nuclear envelope and cytoplasmic stacks of nuclear pore complex known as annulate lamellae during G2 phase of cell cycle (PMID:20386726).

## Notable Publications

Author	Pubmed ID	Journal	Application
Haocheng Wang	33816306	Front Oncol	WB, IHC
Jibin Sadasivan	36898623	J Mol Biol	WB

## Storage

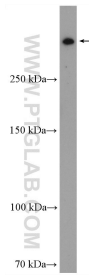
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

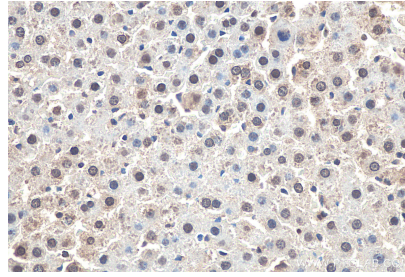
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

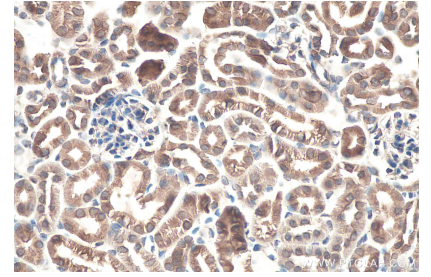
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 27606-1-AP (RanBP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 27606-1-AP (RanBP2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 27606-1-AP (RanBP2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).