

For Research Use Only

RanBP2 Polyclonal antibody

Catalog Number: 27606-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

27606-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26370

GenBank Accession Number:

NM_006267

GeneID (NCBI):

5903

UNIPROT ID:

P49792

Full Name:

RAN binding protein 2

Calculated MW:

358 kDa

Observed MW:

358 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

Human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HeLa cells,

IHC : rat liver tissue, mouse kidney tissue

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
Fani Panagaki	39036650	Nat Phys	WB
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)

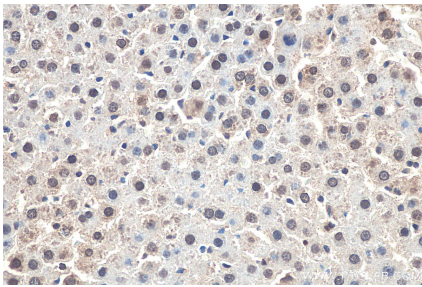
E: proteintech@ptglab.com
W: ptglab.com

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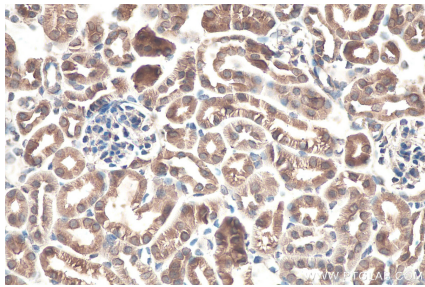
Selected Validation Data



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).