

For Research Use Only

# RANBP3 Polyclonal antibody

Catalog Number: 27168-1-AP

Featured Product



## Basic Information

Catalog Number:

27168-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26000

GenBank Accession Number:

BC004349

GeneID (NCBI):

8498

UNIPROT ID:

Q9H6Z4

Full Name:

RAN binding protein 3

Calculated MW:

60 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:200-1:800

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse

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

Positive Controls:

WB : HeLa cells, Jurkat cells, NIH/3T3 cells

IHC : mouse testis tissue, human testis tissue

IF/ICC : HepG2 cells,

## Background Information

RANBP3 (Ran-binding protein 3) is also named as Rab escort protein 1 (REP-1). RANBP3 is a RanGTP-binding protein that has been reported to enhance nuclear export of active  $\beta$ -catenin, independent of its role as a CRM1-associated nuclear export cofactor (PMID: 9637251). RANBP3 has been reported to be a crucial downstream molecule of MAPK-ERK and PI3K-AKT signal pathways (PMID: 18331709). RANBP3 is a tumor suppressor in CRC and is associated with patient survival (PMID: 36270974). RANBP3 has been reported as a potential regulator in melanoma biology, hepatocellular carcinoma, prostate cancer, and ovarian cancer, and RANBP3 is highly expressed in CML Cells (PMID: 34504783).

## 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

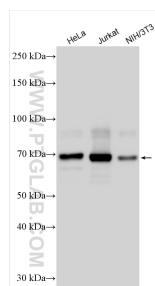
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

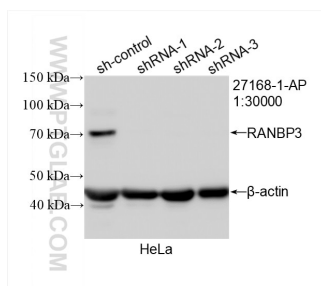
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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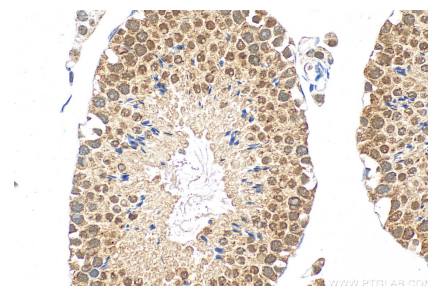
## Selected Validation Data



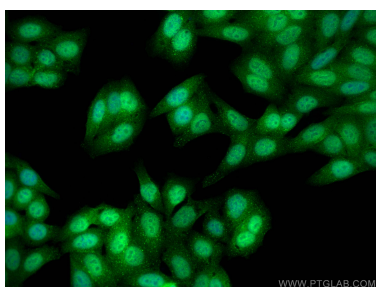
Various lysates were subjected to SDS PAGE followed by western blot with 27168-1-AP (RANBP3 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



WB result of RANBP3 antibody (27168-1-AP; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RANBP3 transfected Jurkat cells.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 27168-1-AP (RANBP3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RANBP3 antibody (27168-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).