

For Research Use Only

RAN Polyclonal antibody

Catalog Number: 10469-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

10469-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0748

GenBank Accession Number:

BC004272

GeneID (NCBI):

5901

UNIPROT ID:

P62826

Full Name:

RAN, member RAS oncogene family

Calculated MW:

25 kDa

Observed MW:

24 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:300-1:1200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, chicken, macrobrachium rosenbergii

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: A375 cells, HeLa cells, Jurkat cells, mouse kidney tissue, NIH/3T3 cells, rat kidney tissue, HEK-293 cells

IP: mouse kidney tissue,

IHC: human breast cancer tissue, human colon tissue, human placenta tissue, human testis tissue, mouse colon tissue, mouse testis tissue, rat colon tissue

IF/ICC: HEK-293 cells,

Notable Publications

Author	Pubmed ID	Journal	Application
Mingxiao Ning	28935600	Fish Shellfish Immunol	WB
Huaiping Cui	34601496	Cell Death Dis	WB
Tianyu Wu	36395215	Science	IF

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**

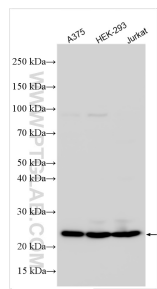
For technical support and original validation data for this product please contact:

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

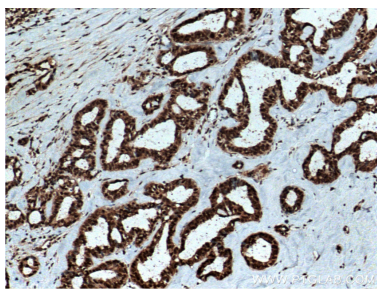
E: proteintech@ptglab.com
W: ptglab.com

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

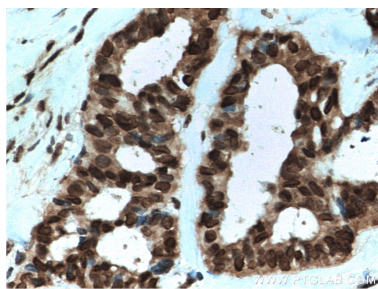
Selected Validation Data



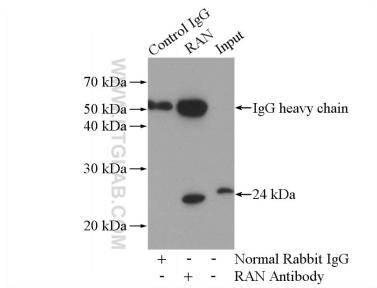
Various lysates were subjected to SDS PAGE followed by western blot with 10469-1-AP (RAN antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



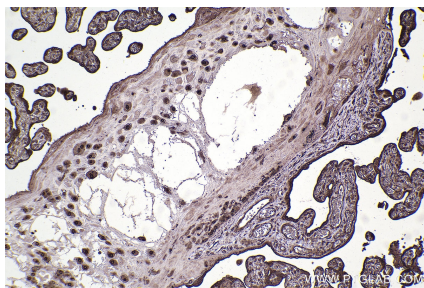
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10469-1-AP (RAN antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



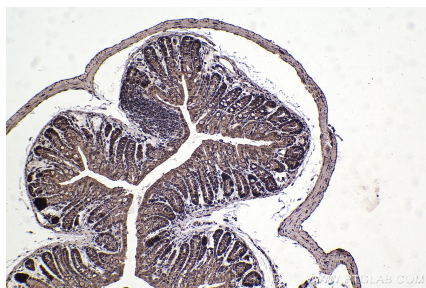
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10469-1-AP (RAN antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



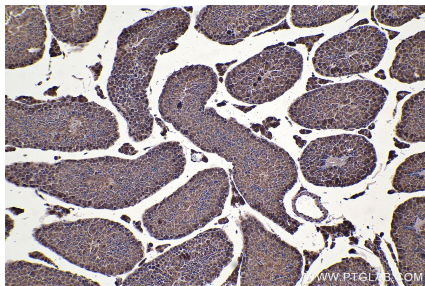
IP result of anti-RAN (IP:10469-1-AP, 4ug; Detection:10469-1-AP 1:1000) with mouse kidney tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10469-1-AP (RAN antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



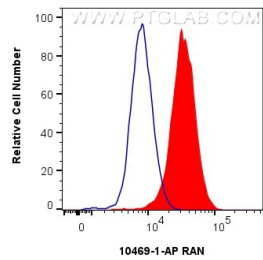
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 10469-1-AP (RAN antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



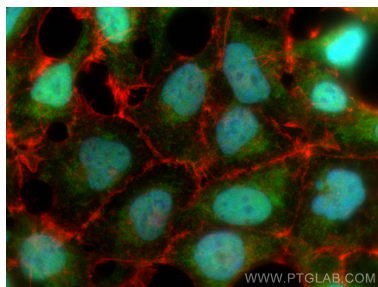
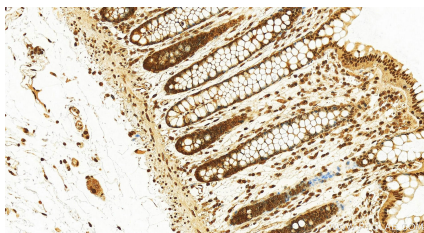
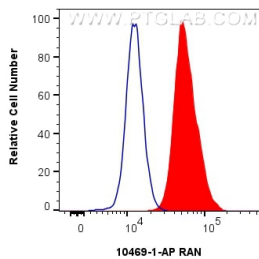
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10469-1-AP (RAN antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 10469-1-AP (RAN antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ Jurkat cells were intracellularly stained with 0.25 ug RAN Polyclonal antibody (10469-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug RAN Polyclonal antibody (10469-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

Immunohistochemical analysis of paraffin-embedded normal colon slide using 10469-1-AP (RAN antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using RAN antibody (10469-1-AP) at dilution of 1:600 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).