

For Research Use Only

# NRAS Polyclonal antibody

Catalog Number: 10724-1-AP

Featured Product

34 Publications



## Basic Information

### Catalog Number:

10724-1-AP

### Concentration:

700 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1081

### GenBank Accession Number:

BC005219

### GeneID (NCBI):

4893

### UNIPROT ID:

P01111

### Full Name:

neuroblastoma RAS viral (v-ras)  
oncogene homolog

### Calculated MW:

21 kDa

### Observed MW:

21 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:2000

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

IHC: 1:50-1:500

IF/ICC: 1:200-1:800

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in a  
100 µl suspension

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

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: A431 cells, C6 cells, NIH/3T3 cells, Jurkat cells,  
A549 cells, HEK-293 cells, MCF-7 cells

IP: HEK-293 cells,

IHC: human pancreas tissue, human testis tissue

IF/ICC: HeLa cells,

FC (Intra): HepG2 cells,

## Background Information

NRAS, also named as N-ras and NRAS1, is neuroblastoma RAS viral (v-ras) oncogene homolog from the mammalian ras gene family and it is a member of the small GTPase superfamily. RAS proteins are involved in signal transduction pathways, and bind GDP/GTP and possess intrinsic GTPase activity. It is mapped on chromosome 1, and it is activated in HL60, a promyelocytic leukemia line. Defects in NRAS are a cause of juvenile myelomonocytic leukemia (JMML).

## Notable Publications

Author	Pubmed ID	Journal	Application
Andrew M Waters	28951536	Sci Signal	WB
Akiya Tatsumi	36358254	Biology (Basel)	WB
Chen Liu	33046519	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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

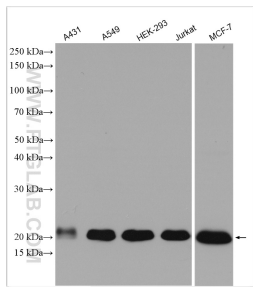
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

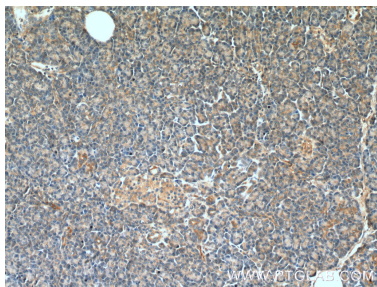
W: [ptgcn.com](http://ptgcn.com)

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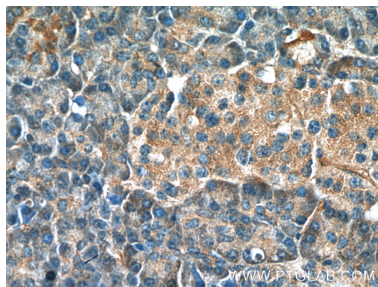
Selected Validation Data



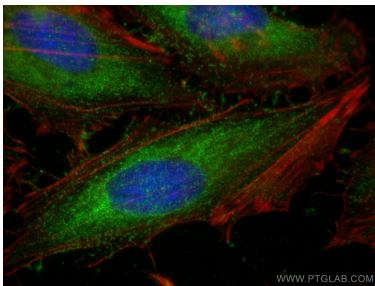
Various lysates were subjected to SDS PAGE followed by western blot with 10724-1-AP (NRAS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



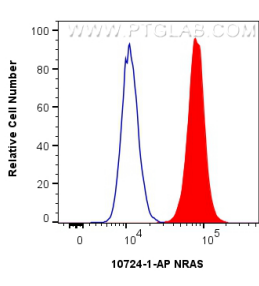
Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 10724-1-AP (NRAS Antibody) at dilution of 1:200 (under 10x lens).



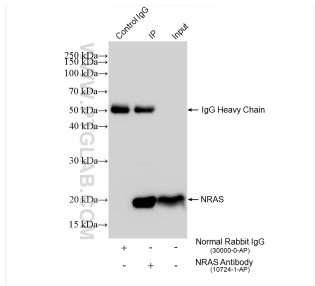
Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 10724-1-AP (NRAS Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using NRAS antibody (10724-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug NRAS Polyclonal antibody (10724-1-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).



IP result of anti-NRAS (IP:10724-1-AP, 4ug; Detection:10724-1-AP 1:4000) with HEK-293 cells lysate 1720 ug.