

For Research Use Only

# NUP50 Polyclonal antibody

Catalog Number: 20798-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

20798-1-AP

### Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 567 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG14710

### GenBank Accession Number:

BC028125

### GeneID (NCBI):

10762

### UNIPROT ID:

Q9UIK7

### Full Name:

nucleoporin 50kDa

### Calculated MW:

468 aa, 50 kDa

### Observed MW:

50 kDa, 65 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:2500-1:10000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat

**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 : Jurkat cells, HEK-293 cells, mouse brain tissue

IHC : human breast cancer tissue, human colon tissue

## Background Information

Nup50 (also known as Npap60) is a nucleoporin that binds directly to importin  $\alpha$  and their interaction plays an important role in nuclear import. Nup50 is a mobile nucleoporin localized primarily in the nuclear basket of the nuclear pore complex (NPC) and in the nucleoplasm. Human Nup50 has two isoforms: Npap60L (1-469 aa), and its alternatively spliced isoform, Npap60S (29-469 aa) of Npap60L. This antibody recognizes both of two isoforms.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bin Chen	35152263	Oncogene	WB
Xueting Gao	34409458	J Cell Sci	WB
Fani Panagaki	39036650	Nat Phys	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

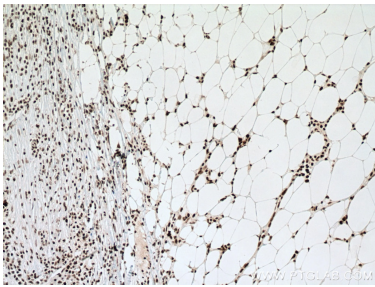
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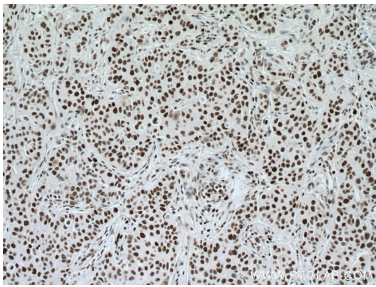
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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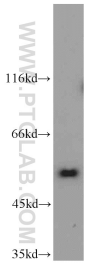
Selected Validation Data



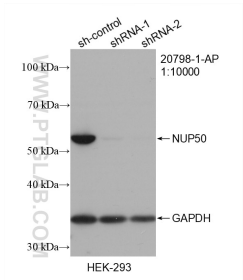
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20798-1-AP (NUP50 antibody) at dilution of 1:5000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20798-1-AP (NUP50 antibody) at dilution of 1:5000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Jurkat cells were subjected to SDS PAGE followed by western blot with 20798-1-AP (NUP50 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of NUP50 antibody (20798-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NUP50 transfected HEK-293 cells.