

For Research Use Only

# NUP50 Polyclonal antibody

Catalog Number: 20798-1-AP

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 20798-1-AP	<b>GenBank Accession Number:</b> BC028125	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop and 567 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10762	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:2500-1:10000
<b>Source:</b> Rabbit	<b>Full Name:</b> nucleoporin 50kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 468 aa, 50 kDa	
<b>Immunogen Catalog Number:</b> AG14710	<b>Observed MW:</b> 50 kDa, 65 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, mouse brain tissue IHC : human breast cancer tissue, human colon tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

## Storage

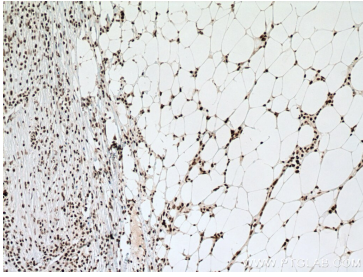
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

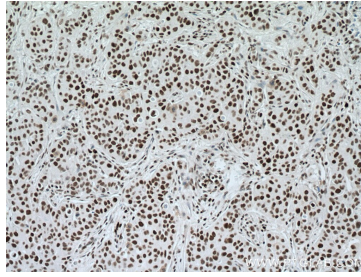
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

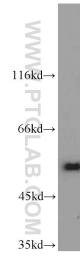
## Selected Validation Data



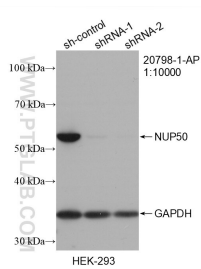
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20798-1-AP (NUP50 antibody) at dilution of 1:5000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.