

For Research Use Only

NUP50 Polyclonal antibody

Catalog Number: 20798-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

20798-1-AP

Size:

900 µg/ml

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:

IHC, WB, 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 α 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

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

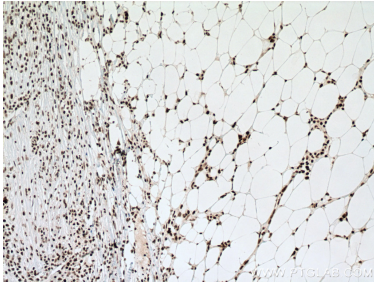
T: 4006900926

E: Proteintech-CN@ptglab.com

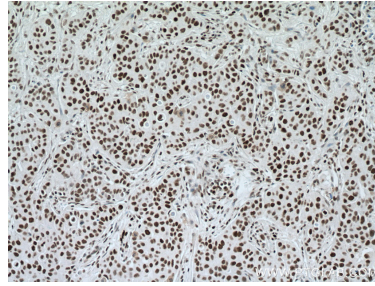
W: ptgcn.com

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

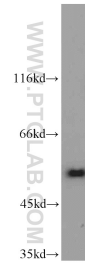
Selected Validation Data



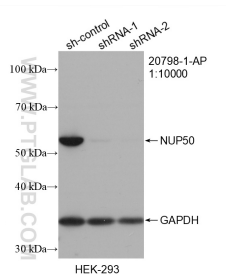
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 20798-1-AP (NUP50 antibody) at dilution of 1:5000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



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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.