

For Research Use Only

# NUP50 Monoclonal antibody, PBS Only



Catalog Number: 67001-1-PBS

Featured Product

## Basic Information

Catalog Number:

67001-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG15144

GenBank Accession Number:

BC028125

GeneID (NCBI):

10762

UNIPROT ID:

Q9UIK7

Full Name:

nucleoporin 50kDa

Calculated MW:

468 aa, 50 kDa

Observed MW:

50-55 kDa

Purification Method:

Protein A purification

CloneNo.:

1D5A7

## Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

Human, mouse

## 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.

## Storage

Storage:

Store at  $-80^{\circ}\text{C}$ .

**The product is shipped with ice packs. Upon receipt, store it immediately at  $-80^{\circ}\text{C}$**

Storage Buffer:

PBS Only

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

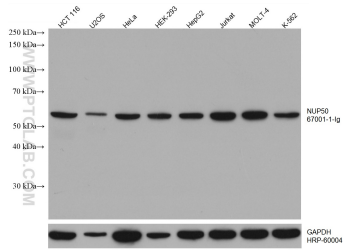
T: 4006900926

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

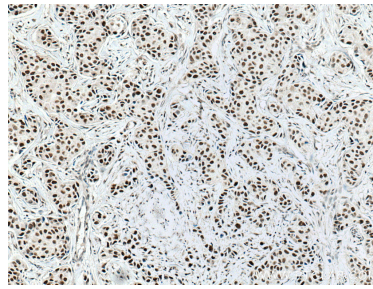
W: [ptgcn.com](http://ptgcn.com)

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

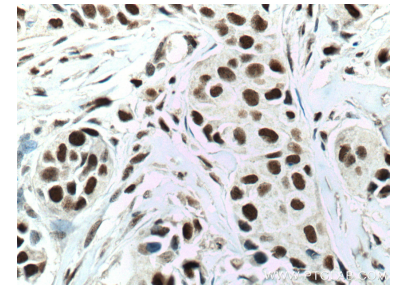
## Selected Validation Data



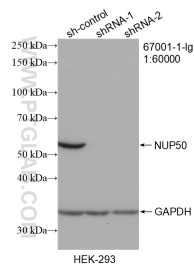
Various lysates were subjected to SDS PAGE followed by western blot with 67001-1-Ig (NUP50 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67001-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67001-1-Ig (NUP50 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67001-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67001-1-Ig (NUP50 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67001-1-PBS in a different storage buffer formulation.



WB result of NUP50 antibody (67001-1-Ig; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NUP50 transfected HEK-293 cells. This data was developed using the same antibody clone with 67001-1-PBS in a different storage buffer formulation.