

For Research Use Only

NUP50 Monoclonal antibody

Catalog Number: 67001-1-Ig

Featured Product



Basic Information

Catalog Number:

67001-1-Ig

GenBank Accession Number:

BC028125

Purification Method:

Protein A purification

Size:

150ul, Concentration: 2000 ug/ml by
Nanodrop and 1000 ug/ml by Bradford
method using BSA as the standard;

GeneID (NCBI):

10762

CloneNo.:

1D5A7

Source:

Mouse

UNIPROT ID:

Q9UIK7

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

Isotype:

IgG1

Full Name:

nucleoporin 50kDa

Calculated MW:

468 aa, 50 kDa

Immunogen Catalog Number:

AG15144

Observed MW:

50-55 kDa

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

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 : HCT 116 cells, HeLa cells, HEK-293 cells, Ramos
cells, Daudi cells, Sp2/0 cells, MCF-7 cells, HT-29 cells,
U2OS cells, HepG2 cells, Jurkat cells, MOLT-4 cells, K-
562 cells

IHC : human breast cancer 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.

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

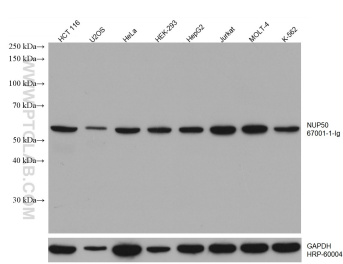
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

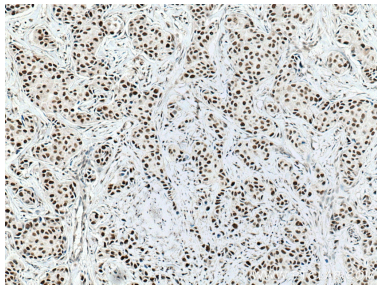
E: proteintech@ptglab.com
W: ptglab.com

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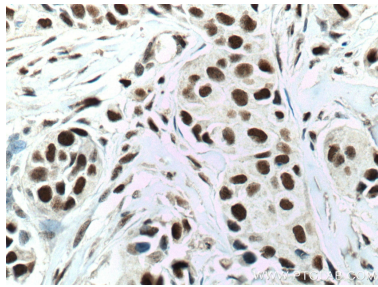
Selected Validation Data



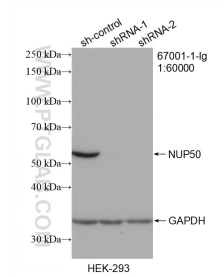
Various lysates were subjected to SDS PAGE followed by western blot with 67001-1-Ig (NUP50 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



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).



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).



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.