

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: 1600 µg/ml	GeneID (NCBI): 10762	CloneNo.: 1D5A7
Source: Mouse	UNIPROT ID: Q9UJK7	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG1	Full Name: nucleoporin 50kDa	
Immunogen Catalog Number: AG15144	Calculated MW: 468 aa, 50 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications:

IHC, WB, 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

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

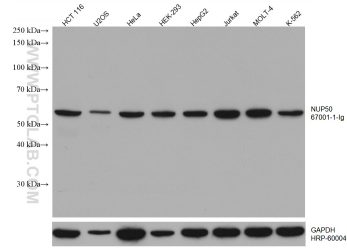
T: 4006900926

E: Proteintech-CN@ptglab.com

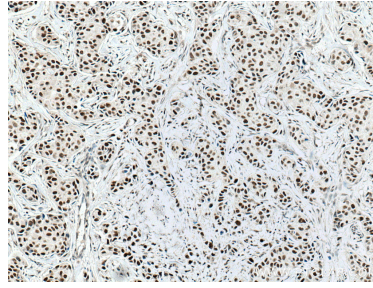
W: ptgcn.com

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

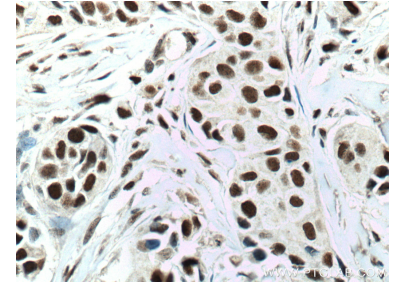
Selected Validation Data



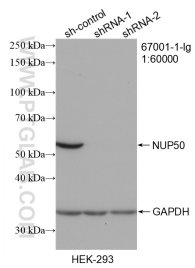
Various lysates were subjected to SDS PAGE followed by western blot with 67001-1-Ig (NUP50 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



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.