

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 G purification
Concentration: 1600 ug/ml	GeneID (NCBI): 10762	CloneNo.: 1D5A7
Source: Mouse	UNIPROT ID: Q9UIX7	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: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	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
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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.

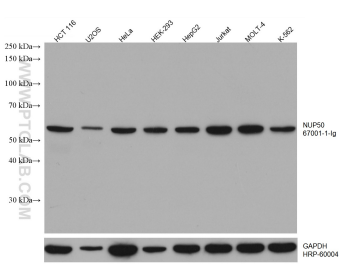
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

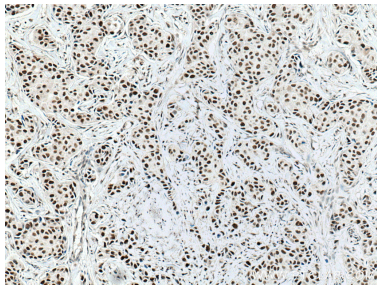
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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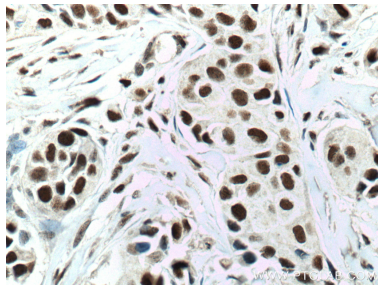
Selected Validation Data



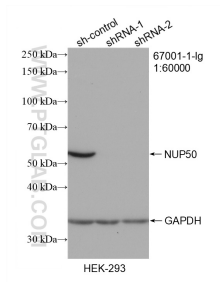
Various lysates were subjected to SDS PAGE followed by western blot with 67001-1-Ig (NUP50 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



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.