

For Research Use Only

NUP62 Monoclonal antibody

Catalog Number: 66573-1-Ig



Basic Information

Catalog Number: 66573-1-Ig	GenBank Accession Number: BC014842	Purification Method: Protein G purification
Size: 150ul , Concentration: 1400 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23636	CloneNo.: 2G12B3
Source: Mouse	Full Name: nucleoporin 62kDa	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:1000-1:4000
Isotype: IgG1	Calculated MW: 522 aa, 53 kDa	
Immunogen Catalog Number: AG4912	Observed MW: 62 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, mouse, 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, RAW 264.7 cells, Raji cells, DU 145
cells, PC-3 cells, HepG2 cells, HSC-T6 cells

IHC : human prostate cancer tissue,

Background Information

NUP62 belongs to the nucleoporin NSP1/NUP62 family. It is essential component of the nuclear pore complex. The N-terminal is probably involved in nucleocytoplasmic transport. The C-terminal is probably involved in protein-protein interaction via coiled-coil formation and may function in anchorage of p62 to the pore complex. Defects in NUP62 are the cause of infantile striatonigral degeneration (SNDI). NUP62 consists of a single promoter with a CpG island and three transcribed exons. It is ubiquitously expressed, an observation compatible with its essential role in transporting cargo across the nuclear envelope. (PMID:16029492)

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

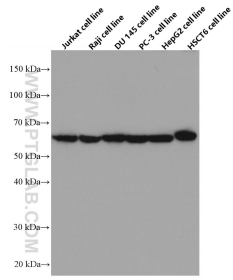
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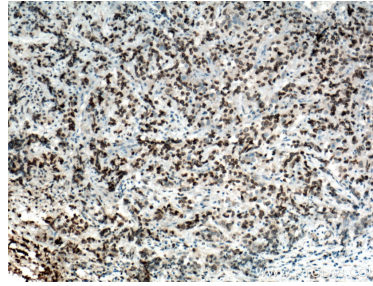
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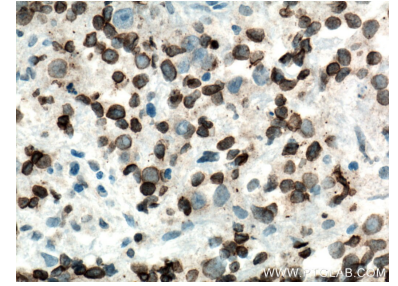
Selected Validation Data



Various cells were subjected to SDS PAGE followed by western blot with 66573-1-Ig (NUP62 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66573-1-Ig (NUP62 antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66573-1-Ig (NUP62 antibody) at dilution of 1:2000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).