For Research Use Only

NUP62 Monoclonal antibody

Catalog Number:66573-1-Ig

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
66573-1-Ig

Size:
1400 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG4912

GenBank Accession Number:
BC014842

GeneID (NCBI):
23636

UNIPROT ID:
P37198

Full Name:
nucleoporin 62kDa

Calculated MW:
522 aa, 53 kDa

Observed MW:
62 kDa

Purification Method:
Protein G purification

CloneNo.:
2G12B3

Recommended Dilutions:
WB 1:2000-1:10000
IHC 1:1000-1:4000

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

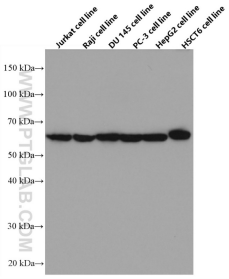
NUP62 belongs to the nucleoporin NSP1/NUP62 family. It is essential component of the nuclear pore complex. The N-terminal is probably involved in nucleocytoplasmic transport. The C-terminal is probably involved in protein-protein interaction via coiled-coil formation and may function in anchorage of 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

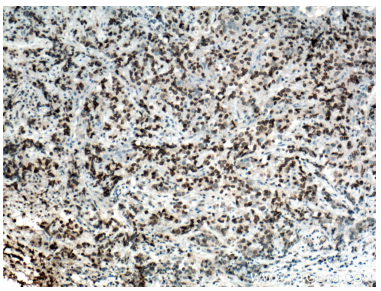
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

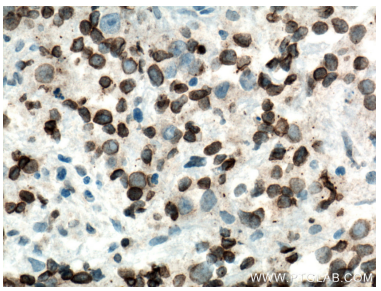
Selected Validation Data



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).