

For Research Use Only

NUP62 Polyclonal antibody

Catalog Number: 13916-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

13916-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, monkey, chicken

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 : PC-3 cells, NIH/3T3 cells

IP : NIH/3T3 cells,

IHC : human stomach 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)

Notable Publications

Author	Pubmed ID	Journal	Application
Li Liu	31527085	J Biol Chem	WB
Hao-Long Zeng	29174846	Biochim Biophys Acta	WB
Tianyu Wu	36395215	Science	IF

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

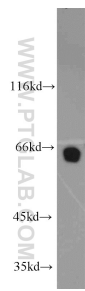
For technical support and original validation data for this product please contact:

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

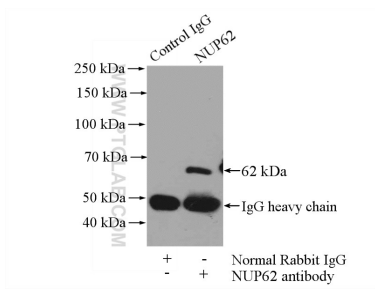
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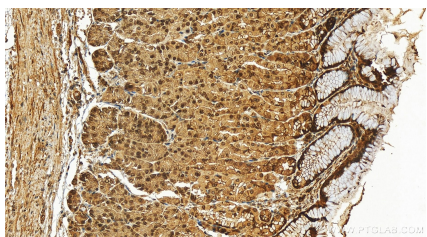
Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 13916-1-AP (NUP62 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-NUP62 (IP:13916-1-AP, 4ug; Detection:13916-1-AP 1:1000) with NIH/3T3 cells lysate 1200ug.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 13916-1-AP (NUP62 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).