

For Research Use Only

# NUP62 Polyclonal antibody

Catalog Number: 13916-1-AP

Featured Product

14 Publications



## Basic Information

<b>Catalog Number:</b> 13916-1-AP	<b>GenBank Accession Number:</b> BC014842	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 23636	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>Full Name:</b> nucleoporin 62kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 522 aa, 53 kDa	
<b>Immunogen Catalog Number:</b> AG4912	<b>Observed MW:</b> 62 kDa	

## Applications

<b>Tested Applications:</b> IP, WB, ELISA	<b>Positive Controls:</b> WB : PC-3 cells, NIH/3T3 cells IP : NIH/3T3 cells,
<b>Cited Applications:</b> IF, IP, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat, mouse	

## 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

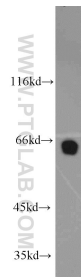
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

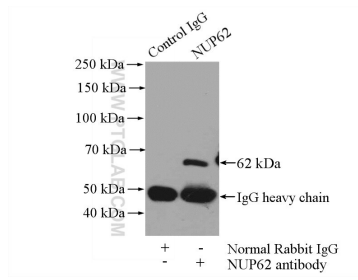
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## 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.