

For Research Use Only

NUP214 Recombinant antibody

Catalog Number: 85161-4-RR



Basic Information

Catalog Number: 85161-4-RR	GenBank Accession Number: BC105998	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8021	CloneNo.: 242782H2
Source: Rabbit	UNIPROT ID: P35658	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Isotype: IgG	Full Name: nucleoporin 214kDa	
Immunogen Catalog Number: AG21377	Calculated MW: 2080 aa, 213 kDa	
	Observed MW: 250 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : K-562 cells, HeLa cells, HEK-293T cells, MCF-7 cells, A431 cells, NIH/3T3 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 : mouse kidney tissue, mouse testis tissue

Background Information

NUP214 is also known as CAN and is an FG nucleoporin anchored to the cytoplasmic ring of the nuclear pore complex (NPC) and forms a subcomplex with nucleoporin NUP88. NUP214 is a component of the NPC with a key role in protein and mRNA nuclear export. NUP214 is a target for chromosomal translocations involved in leukemogenesis (PMID: 17264208, 30669574). NUP214 is expressed in thymus, spleen, bone marrow, kidney, brain, and testis, but hardly in all other tissues or in whole embryos during development. The observed molecular weight of NUP214 is 250 kDa, which is consistent with the description in the literature (PMID: 12191473).

Storage

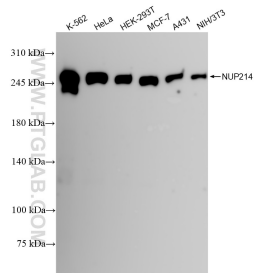
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

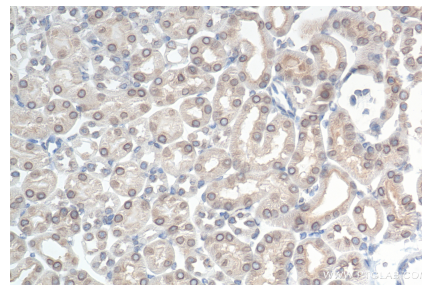
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85161-4-RR (NUP214 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 85161-4-RR (NUP214 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).