

For Research Use Only

NUP214 Recombinant antibody

Catalog Number: 85161-4-RR



Basic Information

Catalog Number:

85161-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21377

GenBank Accession Number:

BC105998

GeneID (NCBI):

8021

UNIPROT ID:

P35658

Full Name:

nucleoporin 214kDa

Calculated MW:

2080 aa, 213 kDa

Observed MW:

250 kDa

Purification Method:

Protein A purification

CloneNo.:

242782H2

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

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 : K-562 cells, HeLa cells, HEK-293T cells, MCF-7 cells, A431 cells, NIH/3T3 cells

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

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

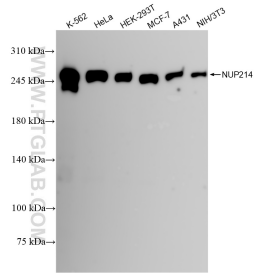
T: 4006900926

E: Proteintech-CN@ptglab.com

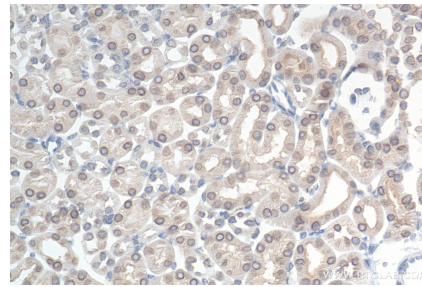
W: ptgcn.com

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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).