

For Research Use Only

# NUP214 Polyclonal antibody

Catalog Number: 24113-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 24113-1-AP	<b>GenBank Accession Number:</b> BC105998	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop and 360 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8021	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:250-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P35658	
<b>Isotype:</b> IgG	<b>Full Name:</b> nucleoporin 214kDa	
<b>Immunogen Catalog Number:</b> AG21377	<b>Calculated MW:</b> 2080 aa, 213 kDa	
	<b>Observed MW:</b> 250 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : K-562 cells, IHC : mouse kidney tissue,
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, rat, pig	

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Mingyang Li	39826728	Int J Biol Macromol	WB
Liwen Lin	39127116	J Ethnopharmacol	WB,IHC

## Storage

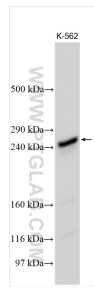
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

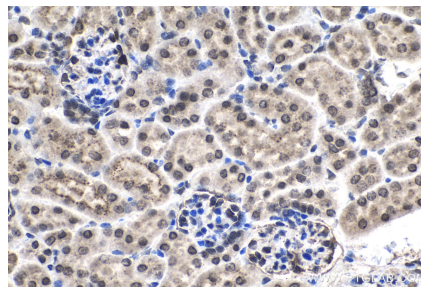
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



K-562 cells were subjected to Tris-Acetate gel system followed by western blot with 24113-1-AP (NUP214 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 24113-1-AP (NUP214 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).