

For Research Use Only

# KPNA3 Monoclonal antibody

Catalog Number: 67892-1-Ig

Featured Product

1 Publications



## Basic Information

<b>Catalog Number:</b> 67892-1-Ig	<b>GenBank Accession Number:</b> BC017355	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3839	<b>CloneNo.:</b> 1D3D2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O00505	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1500-1:6000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> karyopherin alpha 3 (importin alpha 4)	
<b>Immunogen Catalog Number:</b> AG27767	<b>Calculated MW:</b> 58 kDa	
	<b>Observed MW:</b> 58 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

Human, rat, mouse

### Cited Species:

human

**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 : LNCaP cells, HSC-T6 cells, HepG2 cells, HeLa cells, Jurkat cells, K-562 cells, PC-12 cells, NIH/3T3 cells

IHC : mouse testis tissue,

## Background Information

karyopherin subunit alpha 3 (KPNA3) is a member of the importin alpha family which can transport molecules between the nucleus and cytoplasm. It is ubiquitous expressed in brain, testis and esophagus. KPNA3 is associated with many severe diseases such as hepatocellular Carcinoma (PMID: 31417635), schizophrenia, major depression and opiate dependence (PMID: 22960338). The molecular weight of KPNA3 is about 58 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Y Zhang	39395053	Cell Mol Life Sci	WB

## 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

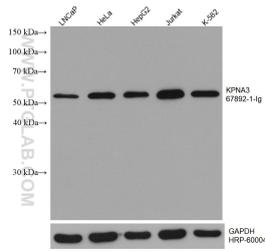
For technical support and original validation data for this product please contact:

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

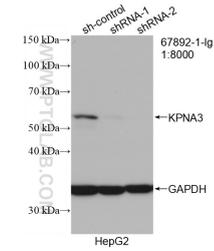
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

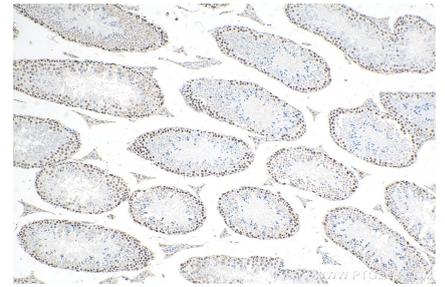
## Selected Validation Data



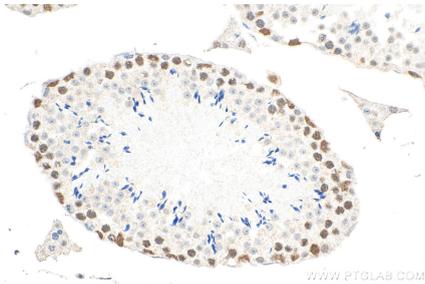
Various lysates were subjected to SDS PAGE followed by western blot with 67892-1-Ig (KPNA3 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



WB result of KPNA3 antibody (67892-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-KPNA3 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67892-1-Ig (KPNA3 antibody) at dilution of 1:3000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67892-1-Ig (KPNA3 antibody) at dilution of 1:3000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).