

For Research Use Only

KPNA3 Monoclonal antibody

Catalog Number: 67892-1-Ig

Featured Product

1 Publications



Basic Information

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

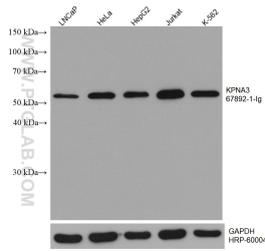
For technical support and original validation data for this product please contact:

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

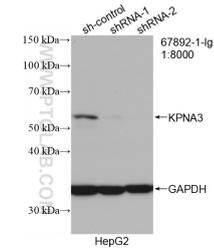
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



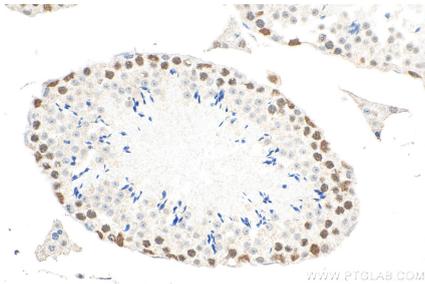
Various lysates were subjected to SDS PAGE followed by western blot with 67892-1-Ig (KPNA3 antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



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).