

For Research Use Only

KPTN Polyclonal antibody

Catalog Number: 16094-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number: 16094-1-AP	GenBank Accession Number: BC009249	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11133	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	Full Name: kaptin (actin binding protein)	
Isotype: IgG	Calculated MW: 436 aa, 48 kDa	
Immunogen Catalog Number: AG8785	Observed MW: 48 kDa	

Applications

Tested Applications:
IF, IHC, WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

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 : HeLa cells, NIH/3T3 cells, human cerebellum tissue, mouse skeletal muscle tissue

IHC : human kidney tissue, human heart tissue, human lung tissue, human ovary tissue, human placenta tissue, human skin tissue, human spleen tissue

IF : HeLa cells,

Background Information

Kaptin, also named as KPTN and Actin-associated protein 2E4, originally isolated from human blood platelets and likely to be involved in the actin rearrangements occurring during activation. It plays a unique role in the actin rearrangements that accompany platelet activation and stereocilia formation. Kaptin is necessary for normal neuromorphogenesis. It may play a role in producing the sensory apparatus in hair cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Cecilia Cattelani	34685691	Cells	WB
Kuang Shen	29590090	Nature	WB
Jose M Orozco	32719541	Nat Metab	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

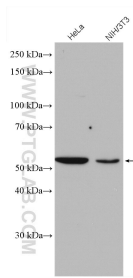
For technical support and original validation data for this product please contact:

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

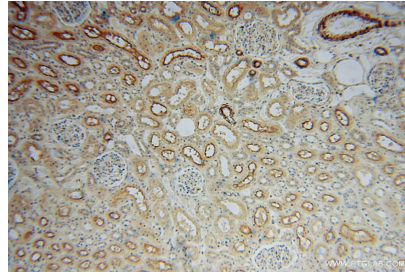
E: proteintech@ptglab.com
W: ptglab.com

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

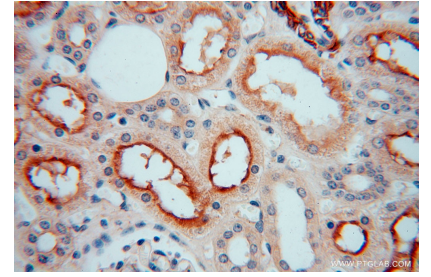
Selected Validation Data



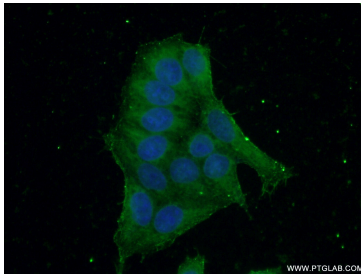
Various lysates were subjected to SDS PAGE followed by western blot with 16094-1-AP (KPTN antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 16094-1-AP (KPTN antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 16094-1-AP (KPTN antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 16094-1-AP (KPTN antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).