

For Research Use Only

PFTK1 Polyclonal antibody

Catalog Number: 21612-1-AP

5 Publications



Basic Information

Catalog Number:

21612-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16259

GenBank Accession Number:

BC136477

GeneID (NCBI):

5218

UNIPROT ID:

O94921

Full Name:

PFTAIRE protein kinase 1

Calculated MW:

469 aa, 53 kDa

Observed MW:

48-53 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

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 : HeLa cells, mouse brain tissue, SH-SY5Y cells

IHC : human kidney tissue, mouse brain tissue

Background Information

PFTK1 is a Cdc2-related protein kinase, also named as PFTAIRE1, CDK14 and belongs to the CMGC Ser/Thr protein kinase family and CDC2/CDKX subfamily. It acts as a cyclin-dependent kinases that regulates cell cycle progression and cell proliferation. The PFTK1 protein shows high homology with mouse Pftaire1, a Cdc2-related protein expressed primarily in the postnatal and adult nervous system (PMID:9202329). The protein contains 2 predicted nuclear localization signals that the N-terminal nuclear localization signals do not play a role in vivo (PMID:11313143). It has 3 isoforms produced by alternative splicing. This antibody is specific to PFTK1.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoling Yin	33217595	World Neurosurg	WB
Daniel Pollack	25680692	Toxicol Lett	WB, IHC, IF
Jingwei Li	30557834	Biomed Pharmacother	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

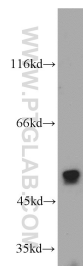
For technical support and original validation data for this product please contact:

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

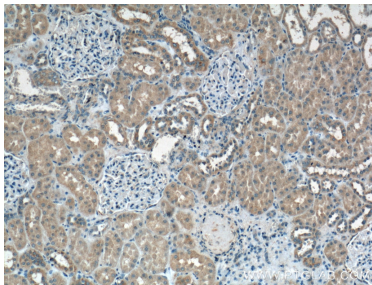
E: proteintech@ptglab.com
W: ptglab.com

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

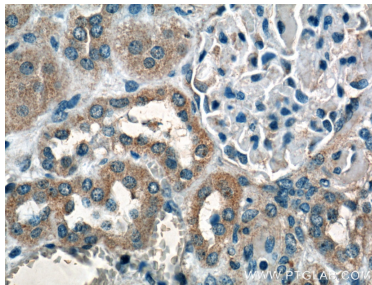
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 21612-1-AP (PFTK1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21612-1-AP (PFTK1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21612-1-AP (PFTK1 Antibody) at dilution of 1:200 (under 40x lens).