

For Research Use Only

PFTK1 Polyclonal antibody

Catalog Number: 21612-1-AP **4 Publications**



Basic Information

Catalog Number: 21612-1-AP	GenBank Accession Number: BC136477	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 5218	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	Full Name: PFTAIRE protein kinase 1	
Isotype: IgG	Calculated MW: 469 aa, 53 kDa	
Immunogen Catalog Number: AG16259	Observed MW: 48-53 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HeLa cells, mouse brain tissue, SH-SY5Y cells IHC : human kidney tissue, mouse brain tissue
Cited Applications: IF, IHC, WB	
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

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

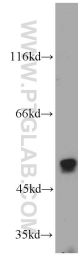
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

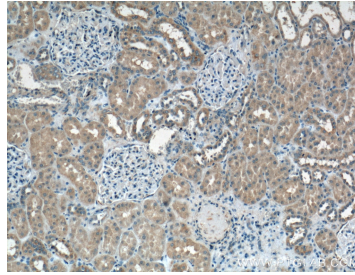
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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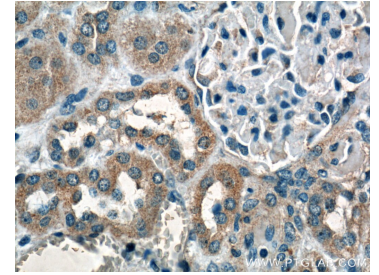
Selected Validation Data



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).