

For Research Use Only

UHMK1 Polyclonal antibody

Catalog Number: 11624-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 11624-1-AP	GenBank Accession Number: BC026046	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 200 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 127933	Recommended Dilutions: WB 1:2000-1:16000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: U2AF homology motif (UHM) kinase 1	Calculated MW: 419 aa, 47 kDa
Isotype: IgG	Observed MW: 47 kDa	
Immunogen Catalog Number: AG2204		

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB: mouse thymus tissue,
Species Specificity: human, mouse, rat	IP: mouse brain tissue,
Cited Species: human, rat	IHC: human stomach tissue,
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

UHMK1, also named as KIS, or KIST, is a 419 amino acid protein, which contains one RRM (RNA recognition motif) domain, one protein kinase domain, and belongs to the protein kinase superfamily. UHMK1 is widely expressed, with highest levels in skeletal muscle, kidney, placenta and peripheral blood leukocytes. UHMK1 localizes in the nucleus and upon serum stimulation, phosphorylating CDKN1B/p27Kip1, thus controlling CDKN1B subcellular location and cell cycle progression in G1 phase. UHMK1 may be involved in trafficking and/or processing of RNA and may have a role in the developing nervous system and the adult brain.

Notable Publications

Author	Pubmed ID	Journal	Application
Xuedi Gao	35501324	Cell Death Dis	WB,IHC,IF
Yongmeng Li	36919755	Thorac Cancer	WB
Rowe D D DD	20883670	Brain Res	IHC

Storage

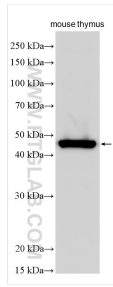
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

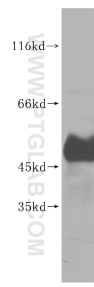
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

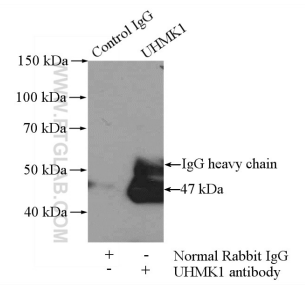
Selected Validation Data



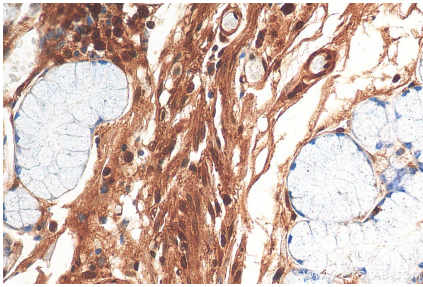
mouse thymus tissue were subjected to SDS PAGE followed by western blot with 11624-1-AP (UHMK1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



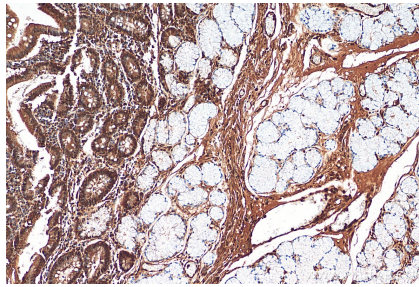
mouse thymus tissue were subjected to SDS PAGE followed by western blot with 11624-1-AP (UHMK1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-UHMK1 (IP:11624-1-AP, 4ug; Detection:11624-1-AP 1:500) with mouse brain tissue lysate 2640ug.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 11624-1-AP (UHMK1 antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 11624-1-AP (UHMK1 antibody) at dilution of 1:200 (under 10x lens).