

For Research Use Only

UHMK1 Polyclonal antibody

Catalog Number: 11624-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

11624-1-AP

Concentration:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2204

GenBank Accession Number:

BC026046

GeneID (NCBI):

127933

UNIPROT ID:

Q8TAS1

Full Name:

U2AF homology motif (UHM) kinase 1

Calculated MW:

419 aa, 47 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

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 : mouse thymus tissue,

IP : mouse brain tissue,

IHC : human stomach tissue,

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, phosphorylates 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
Jing-Xia Chang	39052126	J Cancer Res Clin Oncol	WB,IHC
Xuan Zhang	39129074	Oral Surg Oral Med Oral Pathol Oral Radiol	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

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

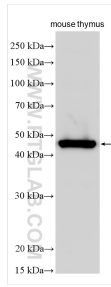
T: 4006900926

E: Proteintech-CN@ptglab.com

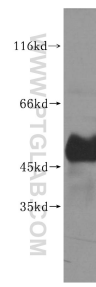
W: ptgcn.com

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

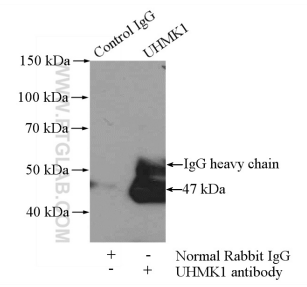
Selected Validation Data



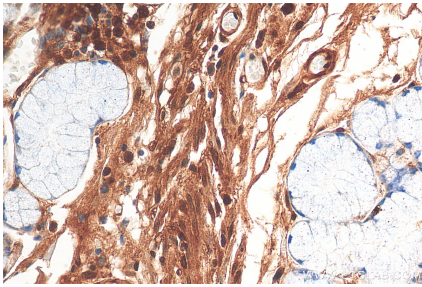
mouse thymus tissue were subjected to SDS PAGE followed by western blot with 11624-1-AP (UHMK1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



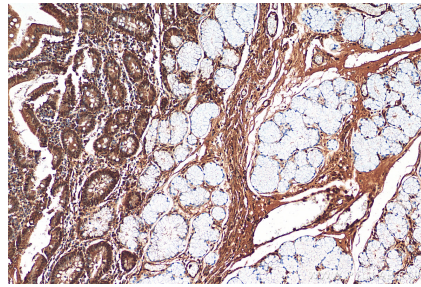
mouse thymus tissue were subjected to SDS PAGE followed by western blot with 11624-1-AP (UHMK1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).