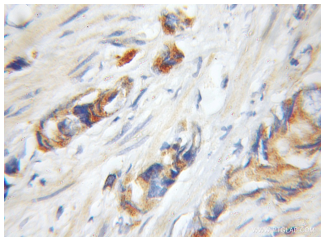
USA: proteintech@ptglab.com

Europe: europe@ptglab.com

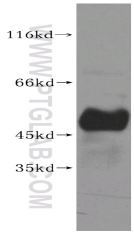
China: service@ptglab.com

UHMK1 Polyclonal Antibody

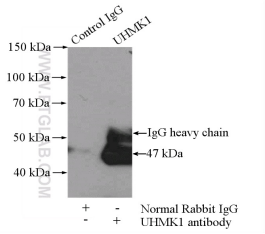
Catalog number: 11624-1-AP
Size: 20 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
UHMK1; KIS, Kist, U2AF homology motif kinase 1, UHMK1



Immunohistochemical of paraffin-embedded human prostate cancer using 11624-1-AP(UHMK1 antibody) at dilution of 1:50 (under 10x lens)



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 11624-1-AP(UHMK1 antibody) at dilution of 1:500



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

Background

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.

Applications

Tested applications:	**ELISA, WB, IHC, IP**
Cited applications:	**IHC**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Rat**
Caculated UHMK1 MW:	**419aa,47 kDa**
Observed UHMK1 MW:	**47kd**
Positive WB detected in	**Mouse thymus tissue, mouse brain tissue**
Positive IP detected in	**Mouse brain tissue**
Positive IHC detected in	**Human prostate cancer tissue**
Recommended dilution:	**WB: 1:500-1:5000**
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag2204**
GenBank accession number:	**BC026046**
Gene ID (NCBI):	**127933**
Full name:	**U2AF homology motif (UHM) kinase 1**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**