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KIST Rabbit pAb

Catalog # AP98386

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q8TAS1
Other Accession	Q8TAS1
Predicted	Rat, Pig, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46546
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KIST/UHMK1
Epitope Specificity	331-419/419
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.Contains 1 protein kinase domain.Contains 1 RRM (RNA recognition motif) domain.
SUBUNIT	Interacts with stathmin and CDKN1B/p27Kip1 (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The gene encodes a serine/threonine protein kinase that promotes cell cycle progression through G1 by phosphorylation of the cyclin-dependent kinase inhibitor 1B (p27Kip1), which causes nuclear export and degradation. The encoded protein is also thought to function in the adult nervous system and the gene has been associated with schizophrenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010].

Additional Information

Gene ID	127933
Other Names	KIS; KIST; P-CIP2; 4732477C12Rik; 4930500M09Rik; C820018A03Rik; UHMK1_HUMAN; UHMK1; Kinase interacting with stathmin; PAM COOH-terminal interactor protein 2 (P-CIP2); U2AF homology motif kinase 1; 2.7.11.1; UHMK1_MOUSE; UHMK1_RAT; U2AF homology motif (UHM) kinase 1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	UHMK1
Synonyms	KIS, KIST
Function	Upon serum stimulation, phosphorylates CDKN1B/p27Kip1, thus controlling CDKN1B subcellular location and cell cycle progression in G1 phase. May be involved in trafficking and/or processing of RNA (By similarity).
Cellular Location	Nucleus.
Tissue Location	Widely expressed, with highest levels in skeletal muscle, kidney, placenta and peripheral blood leukocytes

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.