

Rabbit KIST Polyclonal Antibody | anti-UHMK1 antibody

KIST (KIS) Antibody (C-term)

CATALOG # AAA290695	HOST Rabbit	REACTIVITY Human, Mouse; Predicted Reactivity: Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

KIST; Polyclonal Antibody; KIST (KIS) Antibody (C-term); Serine/threonine-protein kinase Kist; Kinase interacting with stathmin; PAM COOH-terminal interactor protein 2; P-CIP2; U2AF homology motif kinase 1; UHMK1; KIS; anti-UHMK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse; Predicted Reactivity: Rat
Clonality	Polyclonal
Isotype	Ig
Specificity	This KIST (KIS) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 265-295 amino acids from the C-terminal region of human KIST (KIS).
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Length	419
Applicable Applications for anti-UHMK1 antibody	ELISA, WB (Western Blot)
Subtitle	Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Nucleus.
Tissue Location	Widely expressed, with highest levels in skeletal muscle, kidney, placenta and peripheral blood leukocytes.
Antigen Region	265-295 aa
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

The anti-KIST Pab is used in Western blot to detect KIST in K562 cell lysate (Lane 1) and mouse liver tissue lysate (Lane 2).



WB (Western Blot)

All lanes : Anti-KIST Antibody (L280) at 1:1000 dilution
Lane 1: human skeletal muscle lysate
Lane 2: A-673 whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 47 kDa
Blocking/Dilution buffer: 5% NFD/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-UHMK1 antibody	Description: KIST, a member of the Ser/Thr protein kinase family, is a pyruvate kinase that catalyzes formation of phosphoenolpyruvate from pyruvate and ATP. A role for the primarily nuclear KIST protein in mediation of cellular metabolism has been postulated based on the interaction identified with thyroid hormone. KIST is widely expressed, with highest abundance in skeletal muscle, kidney, placenta and peripheral blood leukocytes. Upon serum stimulation, KIST phosphorylates CDKN1B/p27Kip1, thereby regulating the subcellular location of CDKN1B and cell cycle progression in the G1 phase. KIST, which contains one RNA recognition motif domain, has been proposed to partipate in trafficking and processing of RNA. KIST binds to Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells. Background: 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).
Product Categories/Family for anti-UHMK1 antibody	Primary Antibodies; Cancer; Cell Biology; Signal Transduction
References	Bieche, I., et al., Brain Res. Mol. Brain Res. 114 (1):55-64 (2003). Boehm, M., et al., EMBO J. 21 (13):3390-3401 (2002). Caldwell, B.D., et al., J. Biol. Chem. 274 (49):34646-34656 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	28467003
NCBI GeneID	127933
NCBI Accession #	NP_787062
NCBI GenBank Nucleotide #	NM_175866.4
UniProt Accession #	Q8TAS1; Q96C22; A8K8K4; G3V1M1
Molecular Weight	46546 Da
NCBI Official Full Name	serine/threonine-protein kinase Kist isoform 1
NCBI Official Synonym Full Names	U2AF homology motif (UHM) kinase 1
NCBI Official Symbol	UHMK1
NCBI Official Synonym Symbols	KIS; KIST; P-CIP2
NCBI Protein Information	serine/threonine-protein kinase Kist
UniProt Protein Name	Serine/threonine-protein kinase Kist
UniProt Gene Name	UHMK1
UniProt Synonym Gene Names	KIS; KIST; P-CIP2
UniProt Entry Name	UHMK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kist-antibody-western-blot-elisa/290695>