

Rabbit KIST (KIS) Polyclonal Antibody | anti-UHMK1 antibody

KIST (KIS) Antibody (N-term)

CATALOG # AAA285622	HOST Rabbit	REACTIVITY Human, mouse (Predicted Reactivity: Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

KIST (KIS); Polyclonal Antibody; KIST (KIS) Antibody (N-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; KIST; anti-UHMK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This KIST (KIS) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human KIST (KIS).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	345
Applicable Applications for anti-UHMK1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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)

KIS Antibody (C6) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the KIS antibody detected the KIS protein (arrow).



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of anti-KIS Pab in mouse heart tissue lysate. KIS (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-UHMK1 antibody	Upon serum stimulation, KIS, a member of the Ser/Thr protein kinase family, phosphorylates CDKN1B/p27Kip1, thus controlling CDKN1B subcellular location and cell cycle progression in G1 phase. This protein, which contains 1 RRM (RNA recognition motif) domain, may be involved in trafficking and/or processing of RNA. KIS is widely expressed, with highest levels in skeletal muscle, kidney, placenta and peripheral blood leukocytes.
Product Categories/Family for anti-UHMK1 antibody	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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	296179412
NCBI GeneID	127933
NCBI Accession #	NP_001171692.1; NP_653225.2; NP_787062.1
NCBI GenBank Nucleotide #	NM_001184763.1
UniProt Accession #	Q8TAS1; Q96C22; A8K8K4; G3V1M1
Molecular Weight	46546
NCBI Official Full Name	serine/threonine-protein kinase Kist isoform 2
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.