

**KIST (KIS) Antibody (N-term) Blocking peptide**  
Synthetic peptide  
Catalog # BP8067b

**Specification**

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**KIST (KIS) Antibody (N-term) Blocking peptide - Product Information**

Primary Accession [Q8TAS1](#)

**KIST (KIS) Antibody (N-term) Blocking peptide - Additional Information**

Gene ID 127933

**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8067b](/product/products/AP8067b) was selected from the N-term region of human KIS . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**KIST (KIS) Antibody (N-term) Blocking peptide - 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

### **KIST (KIS) Antibody (N-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **KIST (KIS) Antibody (N-term) Blocking peptide - Images**

### **KIST (KIS) Antibody (N-term) Blocking peptide - Background**

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.

### **KIST (KIS) Antibody (N-term) Blocking peptide - References**

Bieche, I., et al., Brain Res. Mol. Brain Res. 114(1):55-64 (2003). Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Boehm, M., et al., EMBO J. 21(13):3390-3401 (2002).