10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Synthetic peptide
Catalog # BP8067b

Specification

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 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).