



Rabbit Anti-KIST antibody

SL6260R

Product Name:	KIST
Chinese Name:	丝氨酸/苏氨酸蛋白激酶KIST抗体(激酶相互作用与白血病相关基因)
Alias:	kinase interacting with leukemia-associated gene (stathmin); Kinase interacting with stathmin; KIS; KIS protein kinase; KIST; Serine threonine protein kinase Kist; Serine/threonine-protein kinase Kist; U2AF homology motif (UHM) kinase 1; U2AF homology motif kinase 1; UHMK1; UHMK1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	47kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human KIST/UHMK1:331-419/419
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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].

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).

Subunit:

Interacts with stathmin and CDKN1B/p27Kip1 (By similarity).

Subcellular Location:

Nucleus. Note=Mostly nuclear (By similarity).

Tissue Specificity:

Widely expressed, with highest levels in skeletal muscle, kidney, placenta and peripheral blood leukocytes.

Similarity:

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family.

Contains 1 protein kinase domain.

Contains 1 RRM (RNA recognition motif) domain.

SWISS:

Q8TAS1

Gene ID:

127933

Database links:

[Entrez Gene: 127933](#)Human

[Entrez Gene: 16589](#)Mouse

[Entrez Gene: 246332](#)Rat

[Omin: 608849](#)Human

[SwissProt: Q8TAS1](#)Human

[SwissProt: P97343](#)Mouse

[SwissProt: Q63285](#)Rat

[Unigene: 127310](#)Human

[Unigene: 209150](#)Mouse

[Unigene: 389214](#)Mouse

[Unigene: 89229](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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