SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-KIST antibody

Catalog Number: SL6260R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	KIST
Immunogen:	KLH conjugated synthetic peptide derived from human KIST/UHMK1: 331-419/419
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Pig, Cow, Rabbit)
Predicted MW.:	47kDa
Subcellular Location:	The nucleus
Background:	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).

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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	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. **Database links:** **Entrez Gene:** 127933 Human **Entrez Gene:** 16589 Mouse **Entrez Gene:** 246332 Rat Omim: 608849 Human **SwissProt:** Q8TAS1 Human **SwissProt:** P97343 Mouse **SwissProt:** Q63285 Rat **Unigene:** 127310 Human **Unigene:** 209150 Mouse **Unigene:** 389214 Mouse **Unigene:** 89229 Rat

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