SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-SKP2/FITC Conjugated antibody

Catalog Number: SL1096R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-SKP2/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human Skp2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	Flow-Cyt=1:50-200 IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human Mouse Rat(predicted:Cow Rabbit)
Background:	background: Substrate recognition component of a SCF(SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription. Specifically recognizes phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition. Degradation of CDKN1B/p27kip also requires CKS1. Recognizes target proteins ORC1L, CDT1, RBL2, MLL, CDK9, RAG2, FOXO1A, UBP43, and probably MYC, TOB1 and TAL1. Degradation of TAL1 also requires STUB1. Recognizes CDKN1A in association with CCNE1 or CCNE2 and CDK2. [PATHWAY] Protein modification; protein ubiquitination. [SUBUNIT] Part of the SCF(SKP2) complex consisting of CUL1, RBX1, SKP1 and SKP2. Interacts directly with CUL1 and SKP1. Interacts with CKS1. Interacts with the cyclin A-CDK2 complex. Interacts with ORC1L, phosphorylated CDT1, phosphorylated RBL2, ELF4,

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	phosphorylated RAG2, FOXO1A, UBP43, MYC, TOB1, TAL1 and MLL. [SIMILARITY] Contains 1 F-box domain. [SIMILARITY] Contains 8 LRR (leucine-rich) repeats. **Function:** Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription. Specifically recognizes phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition. Degradation of CDKN1B/p27kip also requires CKS1. Recognizes target proteins ORC1, CDT1, RBL2, MLL, CDK9, RAG2, FOXO1, UBP43, and probably MYC, TOB1 and TAL1. Degradation of TAL1 also requires STUB1. Recognizes CDKN1A in association with CCNE1 or CCNE2 and CDK2. Promotes ubiquitination and destruction of CDH1 in a CK1-Dependent Manner, thereby regulating cell migration. **Subunit:** Part of a SCF(SKP2) complex consisting of CUL1, RBX1, SKP1 and SKP2. Component of a SCF(SKP2)-like complex containing CUL1, SKP1, TRIM21 and SKP2. Interacts directly with CUL1 and SKP1. Interacts with CKS1. Interacts with the cyclin-A-CDK2 complex. Interacts with ORC1, phosphorylated CDT1, phosphorylated RBL2, ELF4, phosphorylated RAG2, FOXO1, UBP43, MYC, TOB1, TAL1 and MLL. Interacts with TRIM21. **Subcellular Location:** Cytoplasm. Nucleus. **Post-translational modifications:** Ubiquitinated by the APC/C complex, leading to its degradation by the proteasome. Deubiquitinated by USP13. Acetylation at Lys-68 and Lys-71 increases stability through impairment of APC/C-mediated proteolysis and promotes cytoplasmic retention. Deacetylated by SIRT3. **Similarity:** Contains 1 F-box domain. Contains 9 LRR (leucine-rich) repeats. **Database links:** **Entrez Gene:** 6502 Human **Entrez Gene:** 27401 Mouse **Entrez Gene:** 294790 Rat Omim: 601436 Human **SwissProt:** Q13309 Human **SwissProt:** Q9Z0Z3 Mouse **Unigene:** 23348 Human **Unigene:** 35584 Mouse **Unigene:** 154278 Rat Important **Note:** This product as supplied is intended for research use only, not for use in

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	human, therapeutic or diagnostic applications. Skp2Abnormal expression can accelerate cell cycle transformation， This protein is related to the degree of Tumour differentiation. Skp2 is involved in cell transformation and Tumour formation, and is currently mainly used in research on digestive system Tumours.

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