



Rabbit Anti-Cyclin F antibody

SL1686R

Product Name:	Cyclin F
Chinese Name:	周期素F抗体
Alias:	CCNF; F box only protein 1; FBX1; FBXO1; G2 mitotic specific cyclin F; CCNF HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,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:	86kDa
Cellular localization:	The nucleocytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Cyclin F:451-550/786
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:	Cyclin F belongs to the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. Such proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. 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 CP110 during G2 phase, thereby acting as an inhibitor of centrosome reduplication.

Subunit:

Component of the SCF(CCNF) complex consisting of CUL1, RBX1, SKP1 and CCNF. Interacts with CCNB1; interaction is required for nuclear localization of CCNB1. Interacts with CCP110; this interaction leads to CCP110 ubiquitination and degradation via the proteasome pathway.

Subcellular Location:

Nucleus. Cytoplasm, cytoskeleton, centrosome, centriole. Note=Localization in the centrosome is rare in S phase cells and increases in G2 cells, Localizes on both the mother and daughter centrioles. Localization to centrosomes is not dependent on CP110. Also localizes to the nucleus.

Tissue Specificity:

Widely expressed.

Post-translational modifications:

Degraded when the spindle assembly checkpoint is activated during the G2-M transition. Degradation is not dependent on the proteasome or ubiquitin and depends on the C-terminal PEST sequence. Phosphorylated just before cells enter into mitosis.

Similarity:

Belongs to the cyclin family. Cyclin AB subfamily. Contains 1 cyclin N-terminal domain. Contains 1 F-box domain.

SWISS:

P41002

Gene ID:

899

Database links:

[Entrez Gene: 899](#) Human

[Entrez Gene: 12449](#) Mouse

[Omin: 600227](#) Human

[SwissProt: P41002](#) Human

[SwissProt: P51944](#) Mouse

[Unigene: 1973](#) Human

[Unigene: 77695](#) Mouse

Important Note:

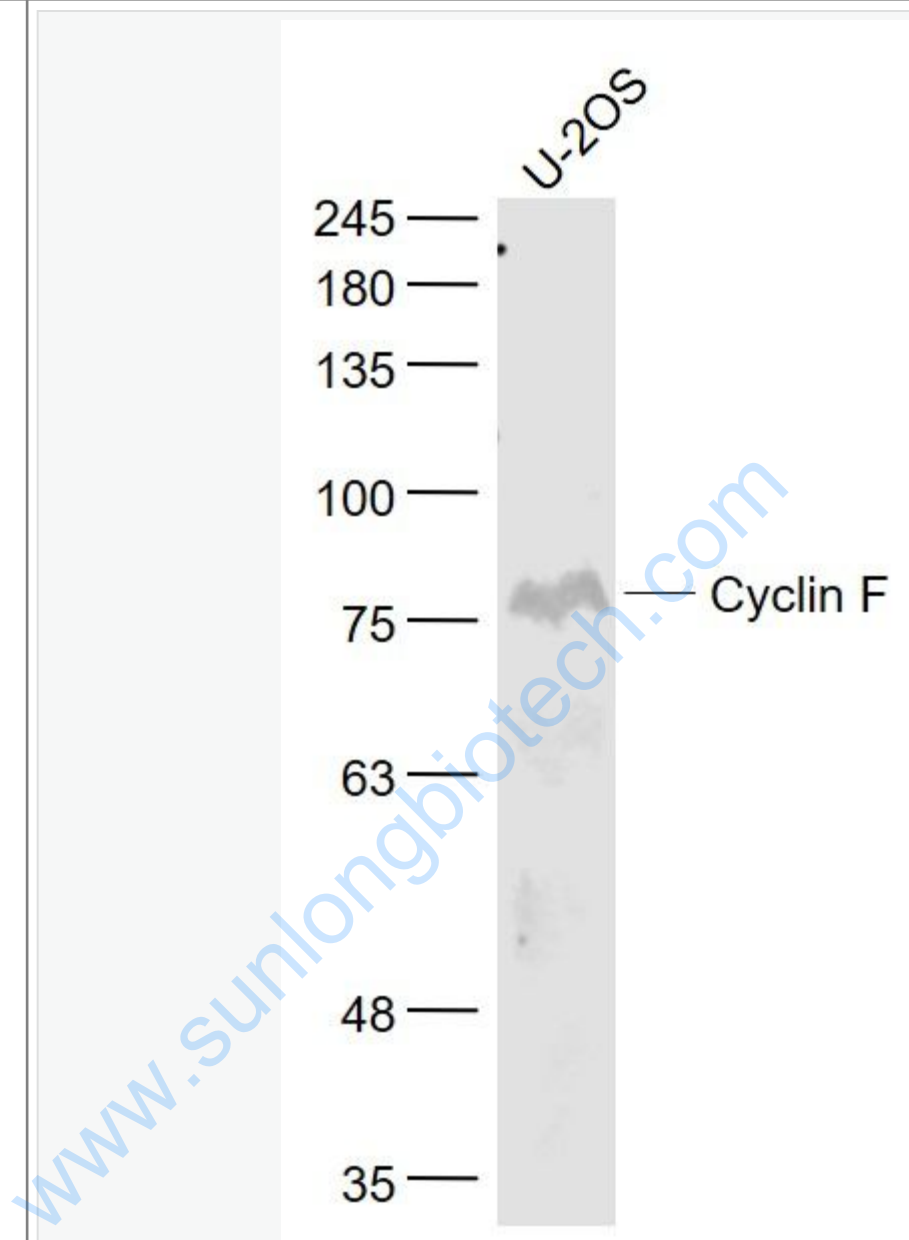
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Cyclin

F属于Fbxs蛋白亚型的一种, 表达在不同的细胞增殖周期进程中, 主要表达在G2-M。

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Picture:



Sample:

U-2OS(Human) Cell Lysate at 30 ug

Primary: Anti- Cyclin F (SL1686R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 86 kD

	Observed band size: 86 kD
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