SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-FBXL18 antibody

Catalog Number: SL16039R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FBXL18
Immunogen:	KLH conjugated synthetic peptide derived from human FBXL18: 121-220/805
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) ICC/IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Mouse (predicted: Human, Rat, Rabbit, Sheep, Cow, Dog, Horse)
Predicted MW.:	88kDa
Subcellular Location:	cytoplasmic
Background:	FBL18 (F-box and leucine-rich repeat protein 18), also known as FBXL18, is an 805 amino acid protein that contains an F-box near its N-terminus, followed by several leucine-rich repeats and a transmembrane domain at the C-terminus. F-box proteins are critical components of the SCF (Skp1-CUL-1-F-box protein) type E3 ubiquitin ligase complex and are involved in substrate recognition and recruitment for ubiquitination. They are members of a larger family of proteins that are involved in the regulation of a wide variety of cellular processes (including the cell cycle, immune response, signaling cascades and developmental processes) through the targeting of proteins, such as cyclins and cyclin-dependent kinase inhibitors (CDKNs), for degradation by the proteasome after ubiquitination.

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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	FBL18 directly interacts with SKP1A p19 and CUL-1, forming a substrate-recognition component of the SCF-type E3 ubiquitin ligase complex. Four isoforms of FBL18 exist due to alternative splicing. **Function:** FBXL18 is a substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. **Database links:** **Entrez Gene:** 80028 Human Omim: 609084 Human **SwissProt:** Q96ME1 Human

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