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[Primary Antibody]

Rabbit Anti-FBXW10 antibody

Catalog Number: SL16054R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FBXW10
Immunogen:	KLH conjugated synthetic peptide derived from human FBXW10: 41-140/1052
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:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 （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)
Predicted MW.:	120kDa
Subcellular Location:	cytoplasmic
Background:	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 responses, signaling cascades and developmental events, through the targeting of proteins, such as cyclins, cyclin-dependent kinase inhibitors, I˚B-å and ∫-catenin, for proteasomal degradation. FBXW10 (F-box and WD repeat domain containing 10), also known as protein Ubiquitin ligase-specificity factor, is a 1,052 amino acid protein that contains one F-box domain and seven WD repeats. Existing as four alternatively spliced isoforms, FBXW10 induces degradation of CBX5

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	and CBX1. **Function:** Probable substrate-recognition component of a SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Overexpression is leading to degradation of CBX5 and CBX1. **Similarity:** Contains 1 F-box domain. Contains 7 WD repeats. **Database links:** **Entrez Gene:** 10517 Human Omim: 611679 Human **SwissProt:** Q5XX13 Human **Unigene:** 592128 Human

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