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[Marker Primary Antibody]

Rabbit Anti-FBXO2/FITC Conjugated antibody

Catalog Number: SL13149R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-FBXO2/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human FBXO2
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:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat(predicted:Dog,Pig,Cow,Sheep)
Subcellular Location:	The cell membrane
Background:	background: FBXO2 is a 296 amino acid protein that contains one F-box domain and one F-box associated domain. Functioning as a component of the SCF complex, FBXO2 is thought to recognize and bind to select phosphorylated proteins, thereby promoting their ubiquitination and subsequent degradation. **Function:** Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Involved in the endoplasmic reticulum-associated degradation pathway (ERAD) for misfolded lumenal proteins by recognizing and binding sugar chains on unfolded glycoproteins that are retrotranslocated into the cytosol and promoting their ubiquitination and subsequent degradation. Prevents formation of cytosolic aggregates of unfolded glycoproteins that have been retrotranslocated into the cytosol. Able to recognize and bind denatured glycoproteins, preferentially

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	those of the high-mannose type. **Subunit:** Component of the SCF(FBXO2) complex consisting of CUL1, RBX1, SKP1 and FBXO2. Predominantly detected as heterodimer with SKP1; the heterodimer with SKP1 is not part of the SCF(FBXO2) complex (By similarity). **Subcellular Location:** Cytoplasm. Microsome membrane. **Similarity:** Contains 1 F-box domain. Contains 1 FBA (F-box associated) domain. **Database links:** UniProtKB/Swiss-Prot: Q9UK22.2 Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.