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Rabbit Anti-FBXL15 antibody

SL8475R

Product Name:	FBXL15
Chinese Name:	FBXL15蛋白抗体
Alias:	F box and leucine rich repeat protein 15; F box only protein 37; F box/LRR repeat protein 15; Fbl15; FBXO37; FLJ16137; JET; OTTHUMP00000020367; OTTHUMP00000059115; OTTHUMP00000059124; OTTHUMP00000059125; Pleckstrin and Sec7 domain protein; PSD; MGC11279; FXL15_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	33kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FBXL15:201-300/300
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:	FBXL15 probably recognizes and binds to some phosphorylated proteins and promotes their ubiquitination and degradation. 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. FBL15 (F-box and leucine-rich repeat protein 15), also known as FBXL15, FBXO37, PSD or JET, is a 296 amino acid protein that contains one F-box domain and functions as a component of the SCF complex, possibly playing a role in the ubiquitination and subsequent degradation of target proteins. **Function:** Substrate recognition component of a (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of SMURF1, thereby acting as a positive regulator of the BMP signaling pathway. Required for dorsal/ventral pattern formation and bone mass maintenance. Also mediates ubiquitination of SMURF2 and WWP2. **Subunit:** Part of the SCF (SKP1-CUL1-F-box) E3 ubiquitin-protein ligase complex SCF(FBXL15) composed of CUL1, SKP1, RBX1 and FBXL15. **Subcellular Location:** Cytoplasm. **Similarity:** Belongs to the FBXL15 family. Contains 1 F-box domain. Contains 5 LRR (leucine-rich) repeats. **SWISS:** Q9H469 **Gene ID:** 79176 **Database links:** Entrez Gene: 79176Human Entrez Gene: 68431Mouse Omim: 610287Human SwissProt: Q9H469Human SwissProt: Q91W61Mouse Unigene: 380081Human Unigene: 19973Mouse

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