10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FBXL15 Rabbit pAb

FBXL15 Rabbit pAb
Catalog # AP59015

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H469
Predicted	Rat, Dog, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32998
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FBXL15
Epitope Specificity	201-300/300
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	79176
Other Names	F-box/LRR-repeat protein 15, F-box only protein 37, FBXL15, FBXO37
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	FBXL15
Synonyms	FBXO37
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 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.
Cellular Location	Cytoplasm.

Background

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.