FBXL12 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FBXL12, Polyclonal Antibody
Full Product Name	FBXL12 Rabbit pAb
Product Gene Name	anti-FBXL12 antibody
Product Synonym Names	Fbl12
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	37kDa
OMIM	609079
3D Structure	ModBase 3D Structure for Q9NXK8
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-326 of human FBXL12 (NP_060173.1).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-FBXL12 antibody	Western Blot (WB)
Application Notes for anti-FBXL12 antibody	WB: 1:500-1:2000
Related Product Information for anti-FBXL12 antibody	Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Mediates the polyubiquitination and proteasomal degradation of CAMK1 leading to disruption of cyclin D1/CDK4 complex assembly which results in G1 cell cycle arrest in lung epithelia.
Other Notes	Small volumes of anti-FBXL12 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FBXL12 purchase	MBS8549516 is an antibody targeting FBXL12. Also known as FBXL12 Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FBXL12. It may not necessarily be applicable to this product.

NCBI GI #	8923179
NCBI GeneID	54850
NCBI Accession #	NP_060173

UniProt Primary Accession #	Q9NXK8
UniProt Related Accession #	Q9NXK8
GenBank Nucleotide #	NP_060173.1
NCBI Official Full Name	F-box/LRR-repeat protein 12 isoform a
NCBI Official Synonym Full Names	F-box and leucine rich repeat protein 12
NCBI Official Symbol	FBXL12
NCBI Official Synonym Symbols	Fbl12
UniProt Protein Name	F-box/LRR-repeat protein 12
UniProt Synonym Protein Names	F-box and leucine-rich repeat protein 12; F-box protein FBL12
UniProt Gene Name	FBXL12
UniProt Synonym Gene Names	FBL12
UniProt Entry Name	FXL12_HUMAN
NCBI Protein Information	F-box/LRR-repeat protein 12
NCBI Summary for FBXL12	Members of the F-box protein family, such as FBXL12, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM, Mar 2008]
Research Articles on FBXL12	**1.** Study found that Fbl12 binds and ubiquitinates p21 which allows its stability. In addition, Fbl12 regulates default degradation under basal conditions but not under UV-stimulated conditions. These findings elucidate novel mechanisms that underlie the regulation of p21 expression level in cells.
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