SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-FBXO11 antibody

SL8472R

Product Name:	FBXO11
Chinese Name:	F-box蛋白相关蛋白11抗体
Alias:	F box protein 11; F-box only protein 11; FBX11; FBX11_HUMAN; Fbxo11; Fbxo 11; Fbxo-11; PRMT9; VIT-1; VIT1; Vitiligo associated protein VIT 1; Vitiligo-associated protein 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Sheep,
Applications:	ELISA=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:	104kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FBXO11:65-160/927
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:	This gene encodes a member of the F-box protein familywhich is characterized by an approximately 40 amino acid motif, theF-box. The F-box proteins constitute one of the four subunits ofubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box),which function in phosphorylation-dependent ubiquitination. TheF-box proteins are divided into 3 classes: Fbws containing WD-40domains, Fbls containing leucine-

rich repeats, and Fbxs containingeither different protein-protein interaction modules or norecognizable motifs. The protein encoded by this gene belongs tothe Fbxs class. It can function as an arginine methyltransferasethat symmetrically dimethylates arginine residues, and it acts asan adaptor protein to mediate the neddylation of p53, which leadsto the suppression of p53 function. This gene is known to bedown-regulated in melanocytes from patients with vitiligo, a skindisorder that results in depigmentation. Polymorphisms in this geneare associated with chronic otitis media with effusion andrecurrent otitis media (COME/ROM), a hearing loss disorder, and theknockout of the homologous mouse gene results in the deaf mousemutant Jeff (Jf), a single gene model of otitis media.Alternatively spliced transcript variants encoding distinctisoforms have been identified for this gene. [provided by RefSeq,Jun 2010].

Function:
Substrate recognition component of the a(SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex whichmediates the ubiquitination and subsequent proteasomal degradationof target proteins. Probably recognizes and binds to phosphorylatedtarget proteins. Binds to and neddylates phosphorylated p53/TP53,inhibiting its transcriptional activity. SCF(FBXO11) does not seemto direct ubiquitination of TP53.

Subunit:
Component of the probable SCF(FBXWO11) complex consisting of CUL1, RBX1, SKP1 and FBXO11. Interacts with TP53.

Subcellular Location:
Nucleus

Tissue Specificity:
Isoform 5 is expressed in keratinocytes, fibroblasts and melanocytes.

Similarity:
Contains 1 F-box domain.
Contains 19 PbH1 repeats.
Contains 1 UBR-type zinc finger.

SWISS:
Q86XK2

Gene ID:
80204

Database links:

Entrez Gene: 80204Human

Entrez Gene: 225055Mouse

Entrez Gene: 301674Rat

	Omim: 607871Human SwissProt: Q86XK2Human SwissProt: Q7TPD1Mouse SwissProt: Q7TSL3Rat Unigene: 352677Human Unigene: 386857Mouse Unigene: 36585Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.