



## Rabbit Anti-FBXO4 antibody

SL9087R

<b>Product Name:</b>	FBXO4
<b>Chinese Name:</b>	FBXO4蛋白抗体
<b>Alias:</b>	DKFZp547N213; F box only protein 4; F box protein 4; F box protein Fbx4; FBX4; FBXO 4; FLJ10141.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Horse,
<b>Applications:</b>	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.
<b>Molecular weight:</b>	44kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human FBXO4:101-200/387
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	FBXO4 is a 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 target proteins. It probably recognizes and binds to phosphorylated target proteins. It recognizes TERF1 and promotes its ubiquitination together with UBE2D1.

**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. Promotes ubiquitination of CCND1 and its subsequent proteasomal degradation. Recognizes TERF1 and promotes its ubiquitination together with UBE2D1.

**Subunit:**

Homodimer. Directly interacts with SKP1 and CUL1. Part of the SCF (SKP1-CUL1-F-box) E3 ubiquitin-protein ligase complex SCF(FBXO4) formed of CUL1, SKP1, RBX1 and FBXO4. Interacts with TERF1. This interaction is prevented in the presence of GNL3L. Identified in a complex with CRYAB and CCND1.

**Subcellular Location:**

Cytoplasm.

**Post-translational modifications:**

Phosphorylation at Ser-12 varies during the cell cycle. It is low in resting cells and high in the S phase and the G2/M phase of the cell cycle. Phosphorylation is decreased during late G1 phase (By similarity). Phosphorylation at Ser-12 promotes homodimerization and is necessary for optimal ubiquitin ligase activity towards CCND1.

**Similarity:**

Contains 1 F-box domain.

**SWISS:**

Q9UKT5

**Gene ID:**

26272

**Database links:**

[Entrez Gene: 26272](#)Human

[Entrez Gene: 106052](#)Mouse

[Entrez Gene: 310363](#)Rat

[Omin: 609090](#)Human

[SwissProt: Q3T0J1](#)Cow

[SwissProt: Q9UKT5](#)Human

[SwissProt: Q8CHQ0](#)Mouse

[Unigene: 165575](#)Human

[Unigene: 234191](#)Mouse

**Important Note:**

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

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