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# anti-FBXO9 antibody



# Overview

Quantity:	100 μg
Target:	FBXO9
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FBX09 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

#### **Product Details**

Immunogen:	F-box protein 9
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

# **Target Details**

Target:	FBX09
Alternative Name:	FBXO9 (FBXO9 Products)
Background:	Synonyms:FBX9, VCIA1 Background: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 TTI1 and TELO2 in a CK2-dependent manner, thereby
	directly regulating mTOR signaling. SCF(FBXO9) recognizes and binds mTORC1-bound TTI1

## **Target Details**

and TELO2 when they are phosphorylated by CK2 following growth factor deprivation, leading to their degradation. In contrast, the SCF(FBXO9) does not mediate ubiquitination of TTI1 and TELO2 when they are part of the mTORC2 complex. As a consequence, mTORC1 is inactivated to restrain cell growth and protein translation, while mTORC2 is activated due to the relief of feedback inhibition by mTORC1.

Molecular Weight: 52 kDa

Gene ID: 26268

UniProt: Q9UK97

### **Application Details**

Application Notes: WB: 1:500-1:2000, IHC: 1:20-1:200

Restrictions: For Research Use only

# Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months