



FBXO9 Mouse mAb

Catalog No	YP-mAb-19530
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	FBXO9 FBX9 VCIA1
Immunogen	Synthesized peptide derived from human FBXO9. AA range:64-164
Specificity	This antibody detects endogenous levels of FBXO9 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	FBXO9 FBX9 VCIA1;F-box only protein 9 (Cross-immune reaction antigen 1) (Renal carcinoma antigen NY-REN-57)
Observed Band	55kD
Calculated Molecular Weight	49kD
Cell Pathway	Cytoplasm .
Tissue Specificity	
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 TTI1 and TELO2 in a CK2-dependent manner , thereby directly regulating mTOR signaling. SCF (FBXO9) recognizes and binds mTORC1-bound TTI1 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.
Background	



matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

