FBXW7 mouse mAb

Catalog No	BYmab-18244
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	FBXW7 FBW7 FBX30 SEL10
Protein Name	F-box/WD repeat-containing protein 7 (Archipelago homolog) (hAgo) (F-box and WD-40 domain-containing protein 7) (F-box protein FBX30) (SEL-10) (hCdc4)
Immunogen	Synthesized peptide derived from human FBXW7
Specificity	This antibody detects endogenous levels of FBXW7 at Human, Mouse
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	-20°C/1 year
Synonyms	
Observed Band	78kD
Cell Pathway	[Isoform 1]: Nucleus, nucleoplasm . Chromosome . Localizes to site of double-strand breaks following phosphorylation by ATM. .; [Isoform 2]: Cytoplasm .; [Isoform 3]: Nucleus, nucleolus .
Tissue Specificity	[Isoform 1]: Widely expressed. ; [Isoform 3]: Expressed in brain.
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 target proteins . Recognizes and binds phosphorylated sites/phosphodegrons within target proteins and thereafter brings them to the SCF complex for ubiquitination . Identified substrates include cyclin-E (CCNE1 or CCNE2), DISC1, JUN, MYC, NOTCH1 released notch intracellular domain (NICD), NFE2L1, NOTCH2, MCL1, RICTOR, and probably PSEN1 . Acts as a negative regulator of JNK signaling by binding to phosphorylated JUN and promoting its ubiquitination and subsequent degradation . Involved in bone homeostasis and negative regulation of osteoclast differentiation . Regulates the

	amplitude of the cyclic expression of hepatic core clock genes and genes involved in lipid and glucose metabolism via ubiquitination and pr
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.

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