



# RBBP5 mouse mAb

Catalog No	BYab-03477
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IF
Gene Name	rbbp5
Protein Name	
Immunogen	Purified recombinant human RBBP5 protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of RBBP5 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb dilution 1:1000 icc dilution 1:100. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RBBP 5; RBBP-5; RBBP5; RBBP5_HUMAN; RBQ 3; RBQ3; Retinoblastoma binding protein 5; Retinoblastoma binding protein RBQ3; Retinoblastoma binding protein5; Retinoblastoma-binding protein 5; Retinoblastoma-binding protein RBQ-3; SWD1; SWD1, Set1c WD40 repeat protein, homolog.
Observed Band	70kD
Cell Pathway	Nucleus .
Tissue Specificity	Ubiquitously expressed.
Function	function:Binds preferentially to underphosphorylated retinoblastoma protein.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 6 WD repeats.,subunit:Component of the SET1 complex, at least composed of the catalytic subunit (SETD1A or SETD1B), WDR5, WDR82, RBBP5, ASH2/ASH2L and CXXC1/CFP1. Component of MLL-containing complexes (named MLL, ASCOM, MLL2/MLL3 or MLL3/MLL4 complex): at least composed ASH2L, RBBP5, DPY30, WDR5, one or several histone methyltransferases (MLL, MLL2, MLL3 and/or MLL4), and the facultative

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components MEN1, HCFC1, HCFC2, NCOA6, KDM6A, PAXIP1/PTIP and C16orf53/PA1.,tissue specificity:Ubiquitously expressed.,

## Background

This gene encodes a ubiquitously expressed nuclear protein which belongs to a highly conserved subfamily of WD-repeat proteins. The encoded protein binds directly to retinoblastoma protein, which regulates cell proliferation. It interacts preferentially with the underphosphorylated retinoblastoma protein via the E1A-binding pocket B. Three alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2010],

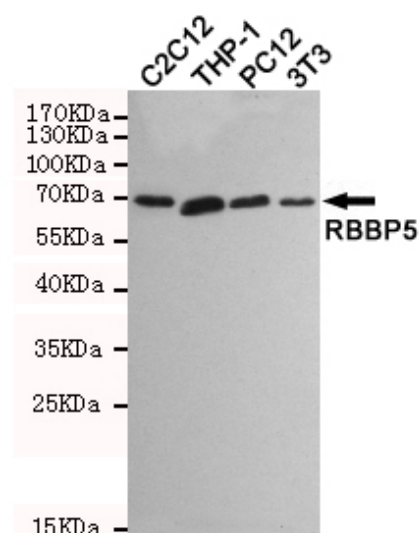
## matters needing attention

Avoid repeated freezing and thawing!

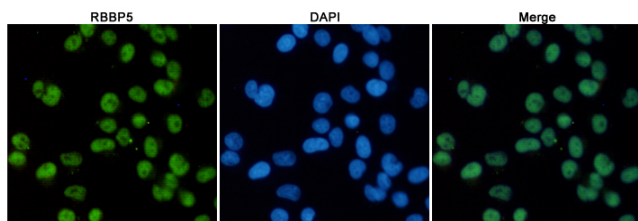
## Usage suggestions

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

## Products Images



Western blot detection of RBBP5 in C2C12,THP-1,PC12 and 3T3 cell lysates using RBBP5 mouse mAb (1:1000 diluted).Predicted band size:70kDa.Observed band size:70kDa.



Immunofluorescent analysis of HeLa cells fixed with 4% Paraformaldehyde and using anti-RBBP5 mouse mAb (dilution 1:100). DAPI was used to stain nucleus(blue).

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