



# RB1CC1 Rabbit pAb

<b>Catalog No</b>	YP-Ab-18548
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human, Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	RB1CC1 KIAA0203 RBICC
<b>Protein Name</b>	RB1-inducible coiled-coil protein 1 (FAK family kinase-interacting protein of 200 kDa) (FIP200)
<b>Immunogen</b>	Synthesized peptide derived from human RB1CC1
<b>Specificity</b>	This antibody detects endogenous levels of RB1CC1 at Human, Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	175kD
<b>Cell Pathway</b>	Nucleus . Cytoplasm . Cytoplasm, cytosol . Preautophagosomal structure . Lysosome . Under starvation conditions, is localized to punctate structures primarily representing the isolation membrane that sequesters a portion of the cytoplasm resulting in the formation of an autophagosome. .
<b>Tissue Specificity</b>	Expression levels correlated closely with those of RB1 in cancer cell lines as well as in various normal human tissues. Abundantly expressed in human musculoskeletal and cultured osteosarcoma cells.
<b>Function</b>	Involved in autophagy . Regulates early events but also late events of autophagosome formation through direct interaction with Atg16L1 . Required for the formation of the autophagosome-like double-membrane structure that surrounds the Salmonella-containing vacuole (SCV) during S.typhimurium infection and subsequent xenophagy (By similarity). Involved in repair of DNA damage caused by ionizing radiation, which subsequently improves cell survival by decreasing apoptosis (By similarity). Inhibits PTK2/FAK1 and PTK2B/PYK2 kinase activity, affecting their downstream signaling pathways . Plays a role as a modulator of TGF-beta-signaling by restricting substrate specificity of RNF111 (By similarity). Functions as a DNA-binding transcription factor . Is a potent regulator of the RB1 pathway through induction of RB1 expression . Plays a crucial role in muscular differentiation . Plays an indispensable role in fetal hematopoiesis and in



the regulation of neuronal homeostasis (By similarity).

## 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