

Rabbit RB1CC1 Polyclonal Antibody | anti-RB1CC1 antibody

RB1CC1 Antibody

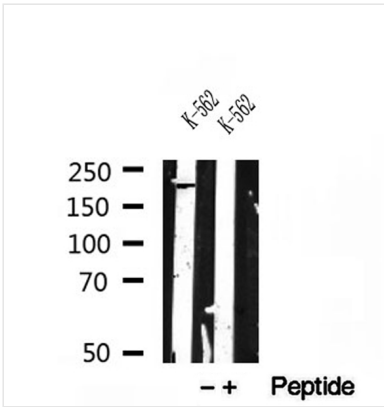
CATALOG # AAA322849	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

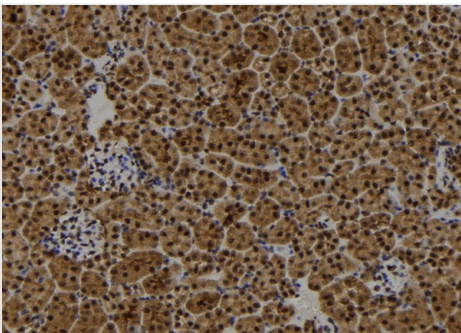
RB1CC1; Polyclonal Antibody; RB1CC1 Antibody; FAK family kinase-interacting protein of 200 kDa; FIP200; RB1-inducible coiled-coil protein 1; RBCC1_HUMAN; anti-RB1CC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RB1CC1 antibody detects endogenous levels of RB1CC1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1591
Applicable Applications for anti-RB1CC1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RB1CC1.
Subcellular Location	Nucleus. Cytoplasm > Cytosol. Preautophagosomal Structure. 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.
Tissue Specificity	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.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Bovine (92%), Horse (100%), Sheep (92%), Rabbit (80%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts of K-562 cells, using RB1CC1 antibody.



IHC (Immunohistochemistry)
AAA322849 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-RB1CC1 antibody	Function: Involved in autophagy (PubMed:21775823). Regulates early events but also late events of autophagosome formation through direct interaction with Atg16L1 (PubMed:23392225). 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 (PubMed:10769033, PubMed:12221124). 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 (PubMed:12095676). Is a potent regulator of the RB1 pathway through induction of RB1 expression (PubMed:14533007). Plays a crucial role in muscular differentiation (PubMed:12163359). Plays an indispensable role in fetal hematopoiesis and in the regulation of neuronal homeostasis (By similarity). Subunit Structure: Part of a complex consisting of ATG13/KIAA0652, ULK1 and RB1CC1 (PubMed:19597335, PubMed:19211835). This complex associates with ATG101 (PubMed:19597335, PubMed:19211835). Interacts with PTK2/FAK1 and PTK2B/PYK2 (PubMed:10769033, PubMed:12221124). Interacts with GABARAP and GABARAPL1 (PubMed:23043107). Interacts with ATG16L1; the interaction is required for ULK1 complex-dependent autophagy (PubMed:24954904, PubMed:23262492, PubMed:23392225). Interacts with RNF111, SKI and SMAD7 (By similarity). Interacts with COP1 in the cytoplasm of proliferating cells in response to UV stimulation (PubMed:23289756). Interacts with TP53 (PubMed:21775823). Interacts with C9orf72 (PubMed:27334615). Similarity: Belongs to the ATG17 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134304846
NCBI GeneID	9821
NCBI Accession #	NP_001077086.1
NCBI GenBank Nucleotide #	NM_001083617.1
UniProt Accession #	Q8TDY2; Q86YR4; Q8WVU9; Q92601
Molecular Weight	Observed: 200 kDa Predicted: 184 kDa
NCBI Official Full Name	RB1-inducible coiled-coil protein 1 isoform 2
NCBI Official Synonym Full Names	RB1 inducible coiled-coil 1
NCBI Official Symbol	RB1CC1
NCBI Official Synonym Symbols	CC1; ATG17; FIP200; PPP1R131
NCBI Protein Information	RB1-inducible coiled-coil protein 1

UniProt Protein Name	RB1-inducible coiled-coil protein 1
UniProt Gene Name	RB1CC1
UniProt Synonym Gene Names	KIAA0203; RBICC; FIP200

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rb1cc1-antibody-immunohistochemistry-western-blot-elisa/322849>