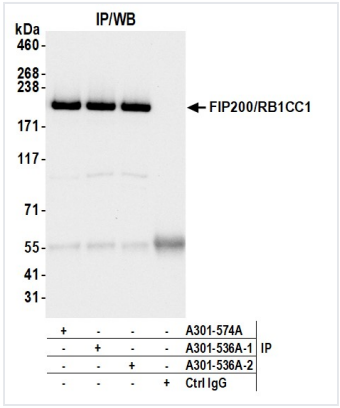
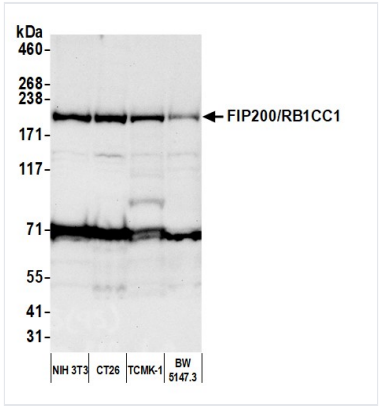
FIP200/RB1CC1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

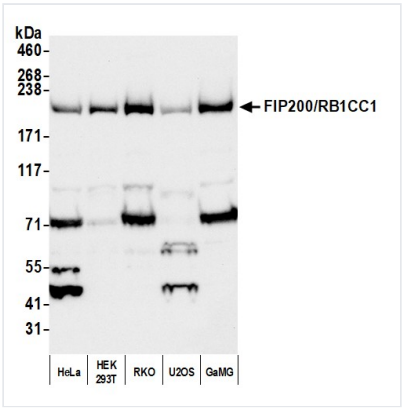
Product Name	FIP200/RB1CC1, Polyclonal Antibody
Full Product Name	Rabbit anti-FIP200/RB1CC1 Antibody, Affinity Purified
Product Gene Name	anti-FIP200/RB1CC1 antibody
Product Synonym Gene Name	RB1CC1
Product Synonym Names	ATG17; PPP1R131; RB1-inducible coiled-coil protein 1; phosphatase 1, regulatory subunit 131; CC1; 200 kDa FAK family kinase-interacting protein; FAK family kinase-interacting protein of 200 kDa; FIP200; RB1-inducible coiled-coil protein 1; RB1 inducible coiled-coil 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
OMIM	606837
3D Structure	ModBase 3D Structure for Q8TDY2
Immunogen	Between 1544 and C-terminus
Conjugation	Unconjugated
Product Categories/Family for anti-FIP200/RB1CC1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-FIP200/RB1CC1 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-FIP200/RB1CC1 antibody	WB: 1:1000-1:5000 IP: 6ug/mg lysate
Related Product Information for anti-FIP200/RB1CC1 antibody	FIP200 (FAK-family interacting protein of 200 kDa) appears to play several key roles related to cell growth, proliferation, development, and tumorigenesis. FIP200 was originally identified in a yeast two-hybrid screen for Pyk2 kinase interacting proteins. It was later identified as a protein that interacts with FAK (focal adhesion kinase), a signal transducing protein that mediates signals from the extracellular matrix to the cytoskeleton to influence cell motility, and cell cycle progression. FIP200 is also known as RB1CC1 (RB1-inducible coiled-coil 1) and has been found to function as a regulator of the retinoblastoma 1 (RB1) tumor suppressor. FIP200 associates with the tumor suppressor TSC1 which partners with TSC2 to antagonize the mTOR signaling pathway. FIP200 association with TSC2 promotes mTOR activity by interfering with the antagonistic effects of the TSC1-TSC2 complex.
Other Notes	Small volumes of anti-FIP200/RB1CC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FIP200/RB1CC1 purchase	MBS3902017 is an antibody targeting FIP200/RB1CC1. Also known as Rabbit anti-FIP200/RB1CC1 Antibody, Affinity Purified. Reactive in Human, Mouse. Host: Rabbit.



Immunoprecipitation (IP) of anti-FIP200/RB1CC1 antibody
Detection of human FIP200/RB1CC1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-FIP200/RB1CC1 antibody (MBS3902017 lot 2) used for IP at 6 ug per reaction. FIP200/RB1CC1 was also immunoprecipitated by a previous lot of this antibody (MBS3902017 lot 1) and a second antibody against a different epitope of FIP200/RB1CC1 (MBS3902053). For blotting immunoprecipitated FIP200/RB1CC1, MBS3902017 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



Western Blot (WB) of anti-FIP200/RB1CC1 antibody
Detection of mouse FIP200/RB1CC1 by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3, CT26, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-FIP200/RB1CC1 antibody (MBS3902017 lot 2) used for WB at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



Western Blot (WB) of anti-FIP200/RB1CC1 antibody
Detection of human FIP200/RB1CC1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, RKO, U2OS, and GaMG cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-FIP200/RB1CC1 antibody (MBS3902017 lot 2) used for WB at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FIP200/RB1CC1. It may not necessarily be applicable to this product.

NCBI GeneID	9821
NCBI Accession #	NP_055596.2
UniProt Primary Accession #	Q8TDY2
UniProt Protein Name	RB1-inducible coiled-coil protein 1
UniProt Synonym Protein Names	FAK family kinase-interacting protein of 200 kDa; FIP200
UniProt Gene Name	RB1CC1
UniProt Synonym Gene Names	KIAA0203; RBICC; FIP200
UniProt Entry Name	RBCC1_HUMAN

UniProt Comments for FIP200/RB1CC1	RB1CC1: a putative transcription factor that functions as a key regulator of Rb expression. Required for autophagosome formation. Contains a nuclear localization signal, a leucine zipper motif and a coiled-coil structure. Thought to play a biological role in controlling cell growth and progression of various cancers. Probably involved in the tumorigenesis of breast cancer. It is frequently mutated in breast cancer and shows characteristics of a classical tumor suppressor gene. Plays a crucial role in muscular differentiation and required for myogenic differentiation. Part of a complex consisting of ATG13, ULK1 and RB1CC1. This complex associates with ATG101. Under starvation conditions, is localized to phagophores. 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. Expression was difficult to detect in immature proliferating chondroblasts or myogenic cells in embryos, but became obvious and prominent concomitantly with the maturation of osteocytes, chondrocytes, and skeletal muscle cells. Expression in these musculoskeletal cells increased with RB1 expression, which is linked to the terminal differentiation of many tissues and cells. The introduction of the wild-type protein decreased the formation of macroscopic colonies in a cell growth assay. Protein type: DNA-binding; Autophagy; Tumor suppressor; Transcription factor Chromosomal Location of Human Ortholog: 8q11 Cellular Component: nuclear membrane; cytoplasm; pre-autophagosomal structure membrane; cytosol Molecular Function: protein binding; protein kinase binding Biological Process: regulation of transcription, DNA-dependent; transcription, DNA-dependent; positive regulation of cell size; heart development; JNK cascade; regulation of autophagy; positive regulation of protein amino acid phosphorylation; liver development; cell cycle; autophagic vacuole formation Disease: Breast Cancer
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