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Datasheet for ABIN913132

anti-FIP200 antibody (AA 501-600) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	FIP200 (RB1CC1)
Binding Specificity:	AA 501-600
Reactivity:	Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FIP200 antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RB1CC1
Isotype:	IgG
Cross-Reactivity:	Chicken
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	FIP200 (RB1CC1)
Alternative Name:	RB1CC1 (RB1CC1 Products)

Target Details

Background: Synonyms: CC1, ATG17, FIP200, PPP1R131, RB1-inducible coiled-coil protein 1, FAK family kinase-interacting protein of 200 kDa, RB1CC1, KIAA0203, RBICC

Background: Plays a role as a modulator of TGF-beta-signaling by restricting substrate specificity of RNF111. 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. Autophagy positively regulates repair of DNA damage induced by ionizing radiation and negatively regulates apoptosis. Plays an indispensable role in fetal hematopoiesis and in the regulation of neuronal homeostasis (By similarity). Implicated in the regulation of RB1 expression. Functions as a DNA-binding transcription factor. Is a potent regulator of the RB1 pathway and a mediator that plays a crucial role in muscular differentiation. Expression is, thus, a prerequisite for myogenic differentiation. Inhibits PTK2/FAK1 and PTK2B/PYK2 activity and activation of downstream signaling pathways.

Gene ID: 9821

UniProt: [Q8TDY2](#)

Pathways: [Regulation of Cell Size, Autophagy](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months