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Datasheet for ABIN1392352

anti-RGS21 antibody (AA 21-120) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	RGS21
Binding Specificity:	AA 21-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS21 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RGS21
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Sheep,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	RGS21
Alternative Name:	RGS21 (RGS21 Products)
Background:	Synonyms: Regulator of G-protein signaling 21, RGS21, RGS21_HUMAN.

Target Details

Background: The regulators of G protein signaling (RGS) proteins inhibit heterotrimeric G protein signaling. RGS proteins work by functioning as GTPase-activators (which increase the GTPase activity of G protein α -subunits) thereby driving G proteins into their inactive GDP-bound form. RGS21 (regulator of G-protein signaling 21) is a 152 amino acid protein that is ubiquitously expressed and contains one RGS domain. The gene encoding RGS21 maps to human chromosome 1q31.2 and mouse chromosome 1 F. Human chromosome 1 spans 260 million base pairs, contains over 3,000 genes, comprises nearly 8 % of the human genome and houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome.

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

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 $\mu\text{g}/\mu\text{L}$

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.

Storage: -20 °C

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

Expiry Date: 12 months