

Datasheet for ABIN6991130  
**anti-RGS21 antibody (AA 40-90)**



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## Overview

Quantity:	0.1 mg
Target:	RGS21
Binding Specificity:	AA 40-90
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS21 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

## Product Details

Immunogen:	RGS21 antibody was raised against a 16 amino acid synthetic peptide near the center of human RGS21. The immunogen is located within amino acids 40 - 90 of RGS21.
Isotype:	IgG
Purification:	RGS21 Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	RGS21
Alternative Name:	RGS21 ( <a href="#">RGS21 Products</a> )
Background:	RGS21 Antibody: Regulator of G-protein signaling (RGS) proteins contain an 120 amino acid conserved domain, termed the RGS domain, that acts as a GTPase-activating protein that acts

## Target Details

to reduce the signal transmitted by the receptor-activated G-alpha subunit. RGS21 is a recently identified member of this family that has been reported to be selectively expressed in subpopulations of taste bud cells and co-expressed with bitter and sweet transduction components such as alpha-gusticin, phospholipase Cbeta2, T1R2/T1R3 sweet taste receptors and T2R bitter taste receptors. Other reports indicate that RGS21 is more widely expressed. Binding assays demonstrate that RGS21 binds alpha-gusticin in a conformation-dependent manner and may do the same with T1R receptors, suggesting that RGS21 may play a role in sweet and bitter taste transduction processes.

Gene ID:	431704
NCBI Accession:	<a href="#">NP_001034241</a>
UniProt:	<a href="#">Q2M5E4</a>
Pathways:	<a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

Application Notes:	RGS21 antibody can be used for detection of RGS21 by Western blot at 0.5 µg/mL. Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.  Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	RGS21 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C
Storage Comment:	RGS21 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.