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# anti-RGS20 antibody (Middle Region)

2 Images



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#### Overview

Quantity:	100 μL
Target:	RGS20
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse, Cow, Zebrafish (Danio rerio), Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS20 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

### **Product Details**

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RGS20
Sequence:	NAFREFLRTE FSEENMLFWM ACEELKKEAN KNIIEEKARI IYEDYISILS
Specificity:	100 % homologous to all isoforms (1-6).
Predicted Reactivity:	Cow: 86%, Dog: 92%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 85%, Rabbit: 93%, Rat: 93%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against RGS20. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

## Target Details

Buffer:

Preservative:

Target:	RGS20
Alternative Name:	RGS20 (RGS20 Products)
Background:	Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G
	protein-coupled receptor complexes. RGS proteins are GTPase-activating proteins for Gi class
	G-alpha proteins. They accelerate transit through the cycle of GTP binding and hydrolysis and
	thereby accelerate signaling kinetics and termination.
	Alias Symbols: RGSZ1, ZGAP1
	Protein Interaction Partner: KRTAP5-6, LCE3E, LCE2D, LCE2A, LCE1B, KLHL38, LCE4A,
	TBC1D16, CATSPER1, PTPMT1, KRTAP4-2, CRCT1, PVRL3, MAPKBP1, GLRX3, CREB5,
	PTGER3, OTX1, KRTAP5-9, INS, HSPD1, HOXA1, GNAI2, AQP1, FASLG, KIF1A, ADRB2, OSTM1
	STMN2, GNAI3, GNAI1, GNAZ, UBC, GNAO1, TXLNA
	Protein Size: 220
Molecular Weight:	25 kDa
Gene ID:	8601
NCBI Accession:	NM_003702, NP_003693
UniProt:	076081
Pathways:	Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein
	Signaling
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 220 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific

sucrose.

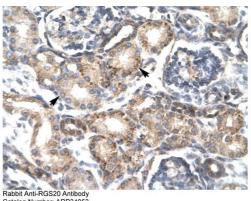
Sodium azide

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

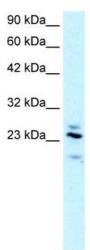
# Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

# **Images**



Rabbit Anti-RGS20 Antibody
Catalog Number: ARP34053
Lot Number: QC3210
Paraffin Embeded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X



### **Immunohistochemistry**

Image 1. Human kidney

### **Western Blotting**

Image 2. WB Suggested Anti-RGS20 Antibody Titration:2.5ug/ml Positive Control: Human brain