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anti-RGS20 antibody (N-Term)



Image



Overview

Quantity:	100 μL
Target:	RGS20
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS20 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	NACCFCWCCC CSCSCLTVRN QEDQRPTIAS HELRADLPTW EESPAPTLEE
Specificity:	100 % homologous to isoforms 1, 2, 4-6.
Predicted Reactivity:	Guinea Pig: 79%, Horse: 79%, Human: 100%, Mouse: 85%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against RGS20. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	RGS20
Alternative Name:	RGS20 (RGS20 Products)
Background:	The protein encoded by this gene belongs to the family of regulator of G protein signaling (RGS)

proteins, which are regulatory and structural components of G protein-coupled receptor complexes. RGS proteins inhibit signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound forms. This protein selectively binds to G(z)-alpha and G(alpha)-i2 subunits, and regulates their signaling activities. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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: 241

Molecular Weight:	27 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: 241 AA
Restrictions:	For Research Use only

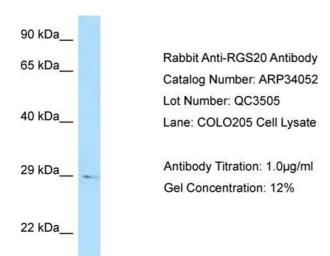
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	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



Western Blotting

Image 1. WB Suggested Anti-RGS20 Antibody Titration: 1.0 ug/ml Positive Control: COLO205 Whole Cell