

Datasheet for ABIN783994
anti-RGS4 antibody (AA 1-188)

3 Images

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Overview

Quantity:	0.1 mL
Target:	RGS4
Binding Specificity:	AA 1-188
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Sheep, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 188 of Human RGS4
Isotype:	IgG
Specificity:	Recognizes RGS4
Cross-Reactivity (Details):	Species reactivity (expected):Cow (97 %), Rat (97 %), Rabbit (96 %), Pig (96 %), Sheep (97 %) Species reactivity (tested):Human, Mouse.
Purification:	Antigen-Affinity Chromatography.

Target Details

Target:	RGS4
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Target Details

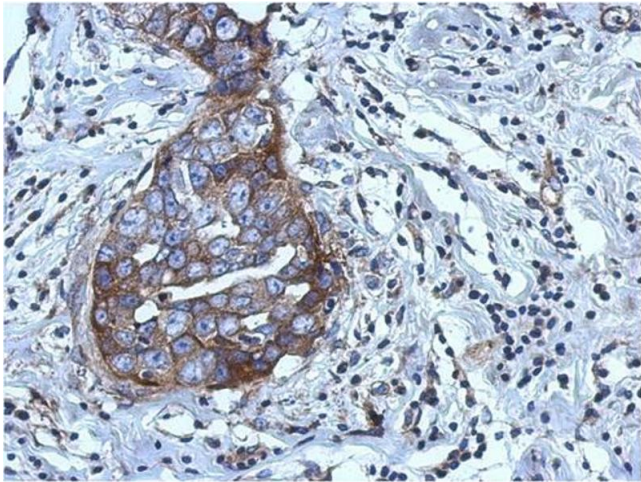
Alternative Name:	RGS4 (RGS4 Products)
Background:	Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 4 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. Regulator of G protein signaling 4 protein is 37 % identical to RGS1 and 97 % identical to rat Rgs4. This protein negatively regulate signaling upstream or at the level of the heterotrimeric G protein and is localized in the cytoplasm. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]Synonyms: RGP4, Regulator of G-protein signaling 4
Gene ID:	5999
NCBI Accession:	NP_005604
Pathways:	Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

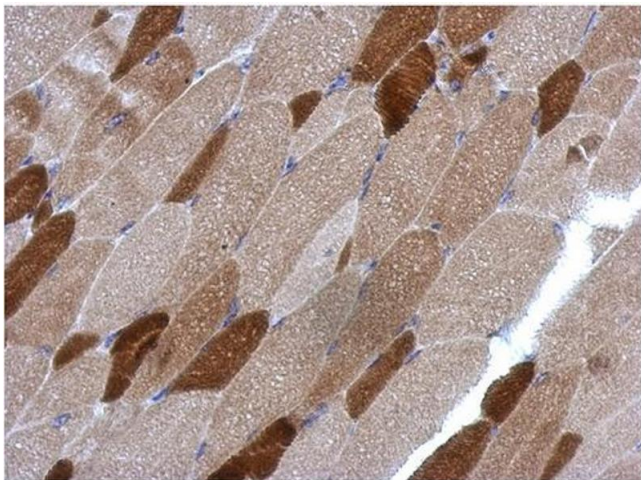
Handling

Format:	Liquid
Concentration:	0.43 mg/mL
Buffer:	0.1 M Tris, 0.1 M Glycine, 20 % Glycerol (pH 7) containing 0.01 % Thimerosal as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains thimerosal (merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody undiluted (in aliquots) at -20 °C.



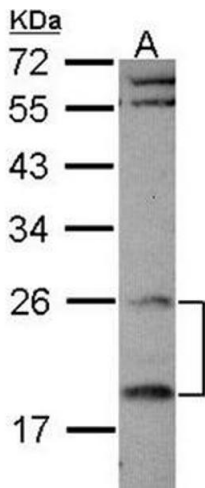
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. AP31123PU-N RGS4 antibody staining of Paraffin-Embedded Breast Carcinoma at 1/500 dilution.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. AP31123PU-N RGS4 antibody staining of Paraffin-Embedded Muscle at 1/500 dilution.



Western Blotting

Image 3. AP31123PU-N RGS4 antibody staining of Raji (Lane A) whole cell lysate (30 µg) at 1/1000 dilution, 12% SDS PAGE.