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# anti-RGS19 antibody (AA 131-156)

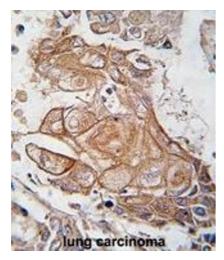
**Images** 

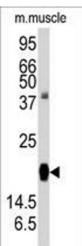


Overview	
Quantity:	400 μL
Target:	RGS19
Binding Specificity:	AA 131-156
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS19 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This RGS19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 131-156 amino acids from human RGS19.
Clone:	RB11892
Isotype:	lg Fraction
Predicted Reactivity:	B, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	RGS19
Alternative Name:	RGS19 (RGS19 Products)

## **Target Details**

Background:	RGS19 enhances the intrinsic GTPase-activating protein activity of the Galphai3 protein, which stimulates autophagy by favoring the GDP-bound form of Galphai3. Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-
	membrane bound autophagic bodies which are then degraded within the lysosome (or
	vacuole).
Molecular Weight:	24636
Gene ID:	10287
NCBI Accession:	NP_001034556, NP_005864
UniProt:	P49795
Pathways:	Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months





### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with Phospho-RGS19-p.ctrl antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

#### **Western Blotting**

**Image 2.** Western blot analysis of anti-RGS19 Antibody f in mouse muscle tissue lysates ( $35 \,\mu g$ /lane). RGS19(arrow) was detected using the purified Pab.