# antibodies - online.com







# anti-RGS2 antibody (Internal Region)







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Quantity:	100 μL
Target:	RGS2
Binding Specificity:	Internal Region
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

# **Product Details**

Immunogen:	A synthesized peptide derived from human RGS2, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	RGS2 Antibody detects endogenous levels of total RGS2.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).

# **Target Details**

	RGS2	Target:
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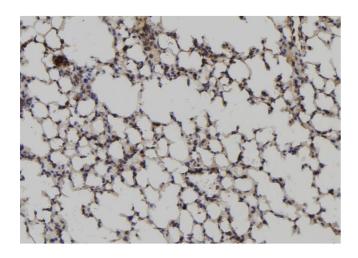
# Target Details

Alternative Name:	RGS2 (RGS2 Products)
Background:	Description: Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (PubMed:11063746, PubMed:19478087). It is involved in the negative regulation of the angiotensin-activated signaling pathway (PubMed:28784619). Plays a role in the regulation of blood pressure in response to signaling via G protein-coupled receptors and GNAQ. Plays a role in regulating the constriction and relaxation of vascular smooth muscle (By similarity). Binds EIF2B5 and blocks its activity, thereby inhibiting the translation of mRNA into protein (PubMed:19736320).  Gene: RGS2
Molecular Weight:	24kDa
Gene ID:	5997
UniProt:	P41220
Pathways:	Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling, Brown Fat Cell Differentiation
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.

Expiry Date:

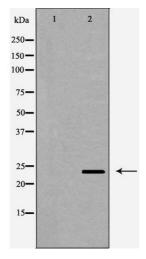
12 months

## **Images**



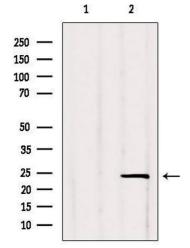
# **Immunohistochemistry**

**Image 1.** ABIN6276884 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22<sub>i</sub>aC. An HRP conjugated goat anti-rabbit antibody was used as the secondary



# **Western Blotting**

**Image 2.** Western blot analysis of extracts of human brain, using RGS2 antibody. The lane on the left is treated with the antigen-specific peptide.



### **Western Blotting**

**Image 3.** Western blot analysis of extracts from Rat lung, using RGS2 Antibody. The lane on the left was treated with blocking peptide.