ELK Biotechnology

RGS1 rabbit pAb

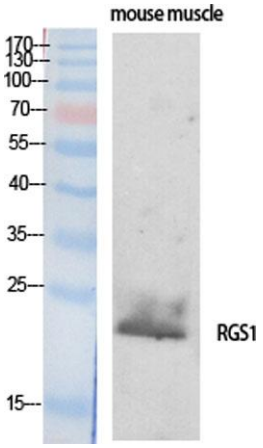
Cat No.:ES3347

For research use only

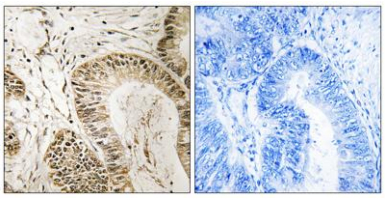
Overview

Product Name	RGS1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human RGS1. AA range:118-167
Specificity	RGS1 Polyclonal Antibody detects endogenous levels of RGS1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Regulator of G-protein signaling 1
Gene Name	RGS1
Cellular localization	Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Cytoplasm, cytosol .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	22kD
Human Gene ID	5996
Human Swiss-Prot Number	Q08116
Alternative Names	RGS1; 1R20; BL34; IER1; Regulator of G-protein signaling 1; RGS1; B-cell activation protein BL34; Early response protein 1R20
Background	This gene encodes a member of the regulator of G-protein signalling family. This protein is located on the cytosolic side of the plasma membrane and

contains a conserved, 120 amino acid motif called the RGS domain. The protein attenuates the signalling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using RGS1 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using RGS1 Antibody. The picture on the right is blocked with the synthesized peptide.

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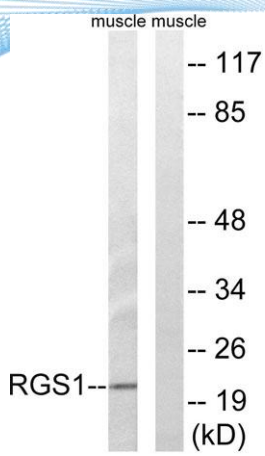
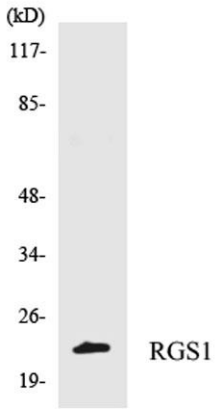


Western blot analysis of lysates from mouse muscle cells, using RGS1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using RGS1 antibody.

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