

## RGS1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP07798
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human RGS1. AA range:160-209
<b>Mol wt</b>	22475
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	RGS1 Antibody
<b>Synonyms</b>	RGS1; 1R20; BL34; IER1; Regulator of G-protein signaling 1; RGS1; B-cell activation protein BL34; Early response protein 1R20

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

RGS1 encodes a member of the regulator of G-protein signalling family. Regulator of G-protein signaling 1 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.

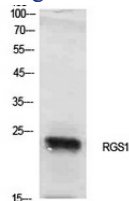
### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

### Images



Western Blot analysis of NIH-3T3 cells using RGS1 Polyclonal Antibody. Antibody was diluted at 1:1000.  
Secondary antibody was diluted at 1:20000

### Storage

-20°C for one year