

## Product datasheet for **AP18180PU-N**

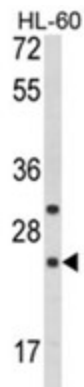
### **RGS1 (N-term) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	ELISA: 1/1,000. Western blotting: 1/100 - 1/500.
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	KLH conjugated synthetic peptide selected from the N-term region of human RGS1
<b>Specificity:</b>	This antibody reacts to RGS1.
<b>Formulation:</b>	PBS with 0.09% (W/V) sodium azide State: Liquid purified Ig
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity chromatography on Protein A
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	regulator of G-protein signaling 1
<b>Database Link:</b>	<a href="#">Entrez Gene 5996 Human Q08116</a>
<b>Background:</b>	RGS1 is 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.
<b>Synonyms:</b>	1R20, BL34, IER1



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**Product images:**

Western blot analysis of RGS1 Antibody (N-term) in HL-60 cell line lysates (35ug/lane). RGS1 (arrow) was detected using the purified Pab.