

AP53652PU-N**Polyclonal Antibody to RGS5 (N-term) - Aff - Purified**

Alternate names:	Regulator of G-protein signaling 5
Quantity:	0.4 ml
Concentration:	lot specific
Background:	This gene encodes a member of the regulators of G protein signaling (RGS) family. The RGS proteins are signal transduction molecules which are involved in the regulation of heterotrimeric G proteins by acting as GTPase activators. This gene is a hypoxia-inducible factor-1 dependent, hypoxia-induced gene which is involved in the induction of endothelial apoptosis. This gene is also one of three genes on chromosome 1q contributing to elevated blood pressure. Alternatively spliced transcript variants encoding different isoforms have been identified.
Uniprot ID:	O15539
NCBI:	NP_003608
GeneID:	8490
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 23-53 amino acids from the N-terminal region of Human RGS5. Genename: RGS5
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography on protein A Buffer System: PBS Preservatives: 0.09% Sodium Azide
Applications:	ELISA: 1/1000. Western Blot: 1/100-1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Human RGS5 (N-term).
Add. Information:	Molecular Weight: 20946 Da
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Wang, J., et al. Carcinogenesis 31(10):1755-1761(2010). 2. Li, H., et al. Proc. Natl. Acad. Sci. U.S.A. 107(31):13818-13823 (2010). 3. Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263 (2010). 4. Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010). 5. Xiao, B., et al. Clin. Chem. Lab. Med. 47(12):1483-1488 (2009).

Pictures:

Western blot analysis of RGS5 Antibody (N-term) Cat.-No AP53652PU-N in CEM cell line lysates (35ug/lane). This demonstrates the RGS5 antibody detected the RGS5 protein (arrow).

