

Human/Mouse/Rat Ras-GAP Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5094

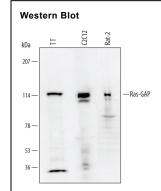
DESCRIPTION		
Species Reactivity	Human/Mouse/Rat	
Specificity	Detects endogenous human, mouse, and rat Ras-GAP in Western blots.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human Ras-GAP Trp181-Val272 Accession # P20936	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Human/Mouse/Rat Ras-GAP by Western Blot. Western blot shows lysates of TT human medullary thyroid cancer cell line, C2C12 mouse myoblast cell line, and Rat-2 rat embryonic fibroblast cell line. PVDF membrane was probed with 1 µg/mL of Human/Mouse/Rat Ras-GAP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5094) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for Ras-GAP at approximately 120 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.		
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.		
	*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C		

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Ras-GAP (Ras GTPase activity of Ras and to promote the return of Ras to an inactive GDP-bound state. Thus, Ras-GAP is a negative regulator of Ras. Human Ras-GAP is 1047 amino acids in length. The N-terminal region contains two SH2 domains and an intervening SH3 domain, while the C-terminal half of Ras-GAP is sufficient to accelerate Ras GTPase activity.

