

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	<i>E. coli</i> -derived recombinant human Ras-GAP Trp181-Val272 Accession # P20936
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Ras-GAP (Ras GTPase-activating protein) interacts with Ras to stimulate the otherwise weak intrinsic 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.

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