

Ras-GTP

Catalog Number: 26909

Gene Symbol: RAS

Description: Anti-Ras-GTP Mouse Monoclonal Antibody

Background: Small GTPases are a super-family of cellular signaling regulators. Ras belongs to the Ras sub-family of GTPases that regulate cell proliferation, cell motility, and gene transcription. GTP binding increases the activity of Ras, and the hydrolysis of GTP to GDP renders it inactive. GTP hydrolysis is aided by GTPase activating proteins (GAPs), while exchange of GDP for GTP is facilitated by guanine nucleotide exchange factors (GEFs).

Immunogen: Recombinant full-length protein of active H-Ras

Tested Applications: IP, IF, IHC

Recommended Dilutions:

IP: 1 μ g for 1~2 mg total cellular proteins

IF, IHC: 1:50-1:250

Concentration: 1 mg/ml

Host: Mouse

Clonality: Monoclonal

Isotype: IgG

Purity: Purified from ascites

Format: Liquid

Preservative: No

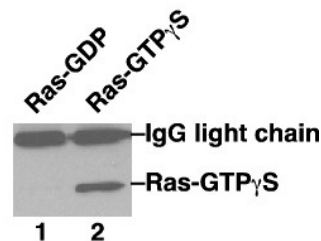
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Anti-Ras-GTP antibody recognizes only active H-Ras, N-Ras, and K-Ras from vertebrates

Storage Conditions: Store at $-20^{\circ}C$. Avoid repeated freezing and thawing

Immunoprecipitation and Western blot:

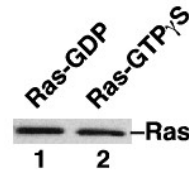
A. IP/WB



IP: anti-active Ras mAb

WB: anti-Ras mAb

B. Input



WB: anti-Ras mAb

Ras Activation Assay.

Purified recombinant Ras proteins were loaded with GDP (lane 1) or GTP γ S (lane 2). These proteins were immunoprecipitated with anti-Ras-GTP mouse monoclonal antibody (Cat. # 26909). After SDS/PAGE, the membrane filter was probed with anti-Ras mouse monoclonal antibody (Cat. # 26014).

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