

Active Rac1

Catalog Number: 26903

Gene Symbol: RAC1

Description: Anti-Active Rac Mouse Monoclonal Antibody

Background: Small GTPases are a super-family of cellular signaling regulators. Rac belongs to the Rho sub-family of GTPases that regulate cell motility, cell division, and gene transcription. GTP binding increases the activity of Rac, 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 Rac1

Tested applications: IP, IHC

Recommended dilutions:

1 µg for 1~2 mg total cellular proteins

Concentration: 1 mg/ml

Host: mouse

Clonality: Monoclonal

Isotype: IgG

Purity: Purified from ascites

Format: Liquid

Storage buffer:

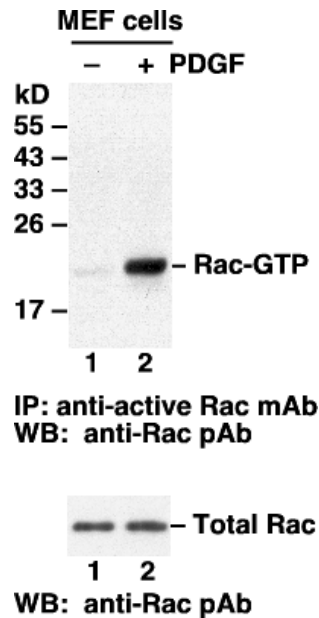
Preservative: no

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Anti-active Rac1 antibody recognizes active Rac1 from vertebrates.

Storage Conditions: Store at -20°C. Avoid freeze / thaw cycles

Immunoprecipitation and Western blot:



Rac activation assay. MEF cells were treated with (lane 2) or without (lane 1) PDGF. Cell lysates were incubated with an anti-active Rac monoclonal antibody (Cat # 26903) (top panel). The precipitated active Rac was immunoblotted with an anti-Rac rabbit polyclonal antibody (Cat # 21003). The bottom panel shows the Western blot with anti-Rac of the cell lysates used (5% of that used in the top panel).

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