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## Active Rap1

**Catalog Number:** 26912

**Gene Symbol:** RAP1

**Description:** Anti-Active Rap1 Mouse Monoclonal Antibody

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**Background:** Small GTPases are a super-family of cellular signaling regulators. Rap family members (Rap1A, Rap1B, Rap2A, Rap2B, and Rap2C) are Ras-like GTPases that regulate cell proliferation, differentiation, apoptosis and adhesion mechanisms. Rap1 (Ras-proximate-1) regulates apoptosis through interaction with two MAP3K effectors of the MEK/ERK MAP-kinase pathway, Raf-1 and B-Raf. Rap1 regulates cell adhesion mechanisms through effector molecules such as the integrins and cadherins.

**Immunogen:** Recombinant full length protein of active Rap1.

**Tested applications:** IP, IHC

**Recommended dilutions:**

1 µg for 1~2 mg total cellular proteins for IP;

1:100 dilution for IHC

**Concentration:** 1 mg/ml

**Host:** mouse

**Clonality:** Monoclonal

**Isotype:** IgG

**Purity:** Purified from ascites

**Format:** Liquid

**Storage buffer:**

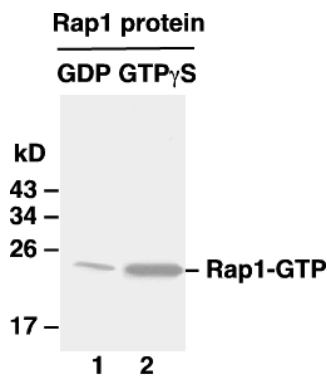
Preservative: no

Constituents: PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Anti-active Rap1 antibody recognizes active Rap1 of vertebrates.

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

### Immunoprecipitation/Western blot



**IP:** anti-active Rap1 mAb

**WB:** anti-Rap1 pAb

Rap1 activation assay. Purified Rap1 proteins were immunoprecipitated after treated with GDP (lane 1) or GTPγS (lane 2). Immunoprecipitation was done with the anti-active Rap1 monoclonal antibody (Cat. No. 26912). Immunoblot was with an anti-Rap1 polyclonal antibody (Cat. No. 21104).