

## Rap1-GTP

**Catalog Number:** 26912

**Gene Symbol:** RAP1

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

**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. It also regulates cell adhesion mechanisms through effector molecules such as the integrins and cadherins.

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

**Tested Applications:** IP, IF, IHC

**Recommended Dilutions:**

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

IHC, IF: 1:50-1:250

**Concentration:** 1 mg/ml

**Host:** Mouse

**Clonality:** Monoclonal

**Isotype:** IgG

**Purity:** Purified from ascites

**Format:** Liquid

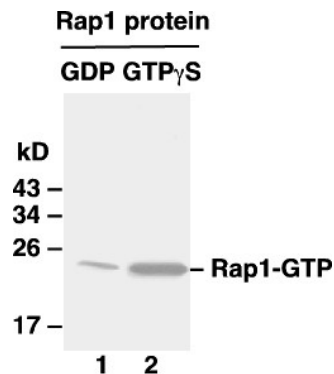
**Preservative:** No

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

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

**Storage Conditions:** Store at -20°C. Avoid repeated freezing and thawing

### 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 GTP $\gamma$ S (lane 2). Immunoprecipitation was done with the anti-Rap1-GTP monoclonal antibody (Cat.No. 26912).

Immunoblot was with anti-Rap1 polyclonal antibody (Cat. No. 21104).

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