

## RAP1-GTP

### Anti-Rap1GTP Mouse Monoclonal Antibody

**Cat. #:** 26912

**Size:** 30  $\mu$ L

**Gene Symbol:** RAPI

**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. Rap1 regulates cell adhesion mechanisms through effector molecules such as the integrins and cadherins.

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

**Applications:** IP, IHC and IF (**Not applicable for SDS since WB denatures Rap1 GTPase**)

**Published Applications:** [IP, IHC and IF - Click for Details](#)

**Recommended Dilutions:**

IP: 1  $\mu$ g for 1~2 mg total cellular proteins

IHC, IF: 1:50-1:250

**Concentration:** 1 mg/ml

**Host Species:** Mouse

**Format:** Liquid

**Clonality:** Monoclonal

**Isotype:** IgG

**Purity:** Purified from ascites

**Preservative:** No

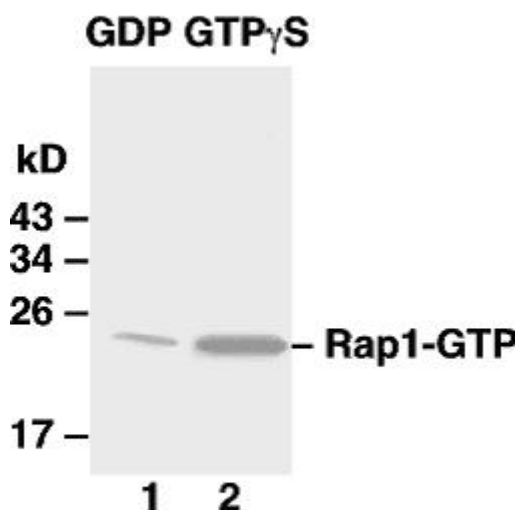
**Constituents:** PBS (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl, 50% glycerol

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

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

## Immunoprecipitation/Western blot:

### Rap1 protein



**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 an anti-Rap1 polyclonal antibody (Cat. No. 21104).