

**RAP1-GTP****Anti-Rap1GTP Mouse Monoclonal Antibody****Cat. #:** 26912**Size:** 30 µL**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:**

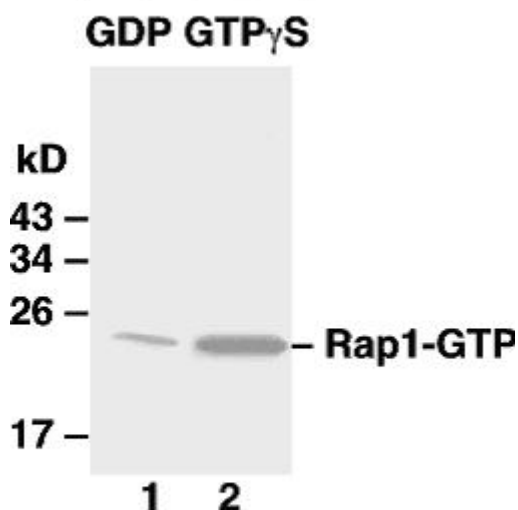
IP: 1 µg for 1~2 mg total cellular proteins

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<sup>2+</sup> and Ca<sup>2+</sup>), 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°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).