

## 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. 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

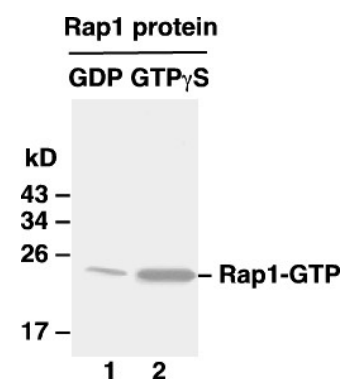
**Preservative:** No

**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 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 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)

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

NewEast Biosciences

Support:

610-945-2007

1150 First Avenue, Suite 501  
King of Prussia, PA 19406

Web:

info@neweastbio.com  
www.neweastbio.com