

## Active Ras

**Catalog Number:** 26909

**Gene Symbol:** RAS

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

**Background:** Small GTPases are a super-family of cellular signaling regulators. Ras belongs to the Ras sub-family of GTPases that regulate cell proliferation, cell motility, and gene transcription. GTP binding increases the activity of Ras, and the hydrolysis of GTP to GDP renders it inactive. GTP hydrolysis is aided by GTPase activating proteins (GAPs), while exchange of GDP for GTP is facilitated by guanine nucleotide exchange factors (GEFs).

**Immunogen:** Recombinant full length protein of active H-Ras

**Tested applications:** IP, IHC

**Recommended dilutions:**

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

**Concentration:** 1 mg/ml

**Host:** mouse

**Clonality:** Monoclonal

**Isotype:** IgG

**Purity:** Purified from ascites

**Format:** Liquid

**Storage buffer:**

Preservative: no

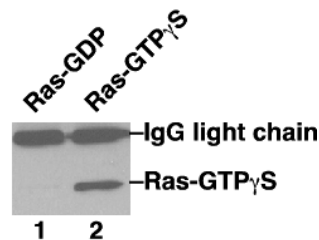
Constituents: PBS (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Anti-active Ras antibody recognizes active H-Ras, N-Ras, and K-Ras from vertebrates.

**Storage Conditions:** Store at  $-20^{\circ}C$ . Avoid freeze / thaw cycles

### Immunoprecipitation and Western blot:

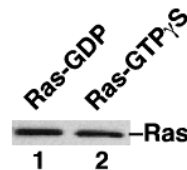
#### A. IP/WB



**IP:** anti-active Ras mAb

**WB:** anti-Ras mAb

#### B. Input



**WB:** anti-Ras mAb

IP/WB analysis of active Ras protein. Purified recombinant Ras proteins were loaded with GDP (lane 1) or  $GTP\gamma S$  (lane 2). These proteins were immunoprecipitated with anti-active Ras mouse monoclonal antibody (Cat. # 26909). After SDS/PAGE, the membrane filter was probed with anti-Ras mouse monoclonal antibody (Cat. # 26014).

For research use only. Not for diagnostic or therapeutic applications.