

## Ras (G13A)

**Catalog Number:** 26191

**Gene Symbol:** H-Ras; K-Ras; N-Ras

**Description:** Anti-HRAS (G13A) Mouse Monoclonal Antibody

**Background:** Belongs to the small GTPase superfamily. Ras family binds GDP/GTP and possess intrinsic GTPase activity, alternate between an inactive form bound to GDP and an active form bound to GTP. Activated by a guanine nucleotide-exchange factor (GEF) and inactivated by a GTPase-activating protein (GAP). Located in cell membrane, lipid-anchor, cytoplasmic side and Golgi apparatus membrane.

**Immunogen:** A synthetic peptide from the internal region of HRas which includes the mutation of G13A, human origin.

**Tested applications:** ELISA, WB, IHC

**Recommended dilutions:**

ELISA: 1:1000-1:5000

WB: 1:500-1:1000

IHC: 1:50-1:100

**Concentration:** 1 mg/ml

**Host:** Mouse

**Clonality:** Monoclonal

**Purity:** Purified from ascites

**Format:** Liquid

**Storage buffer:**

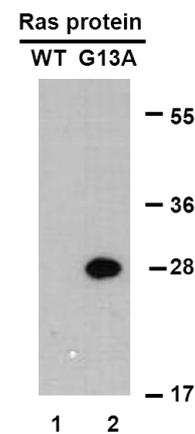
Preservative: no

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

**Species Reactivity:** Recognizes G13A mutant, but not wild-type H-RAS of vertebrates.

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

### Western blot:

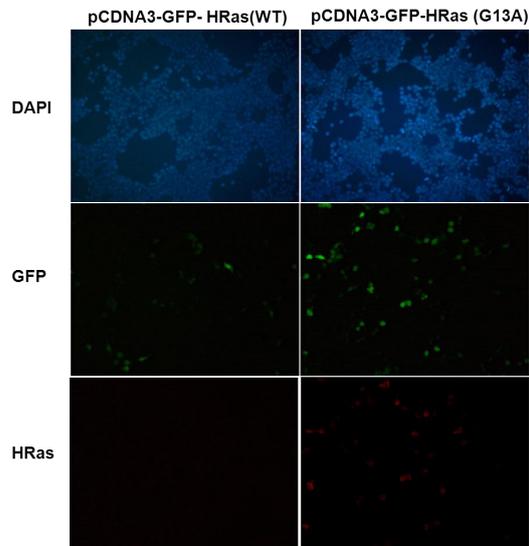


WB: anti-Ras (G13A) mAb

### Western blot analysis of recombinant HRas (G13A) and wildtype proteins.

Purified His-tagged HRas (G13A) protein (lane 2) and corresponding wildtype protein (lane 1) were blotted with anti-HRas (G13A) monoclonal antibody (Cat. #26191).

**Immunofluorescence:**



**Immunofluorescence of cells expressing Ras proteins with anti-HRas (G13A) antibody.**

HEK293T cells were transfected with pCDNA3-GFP-HRas (WT) plasmid (left column) or pCDNA3-GFP-HRas (G13A) plasmid (right column), then fixed and stained with anti-HRas (G13A) monoclonal antibody (Cat. #26191).