

HRAS(G13A)**Ras(G13A)****Cat. #:** 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.**Applications:** ELISA, WB, IHC**Recommended Dilutions:**

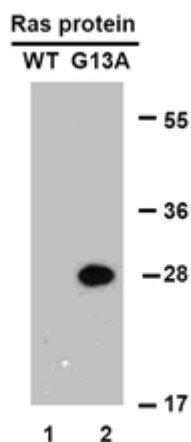
ELISA: 1:1000–1:5000

WB: 1:500–1:1000

IHC: 1:50–1:100

Concentration: 1 mg/ml**Host 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:** Recognizes G13A mutant, but not wild type H-RAS of vertebrates.**Storage Conditions:** Store at $-20^{\circ}C$. Avoid repeated freezing and thawing

Western blot:

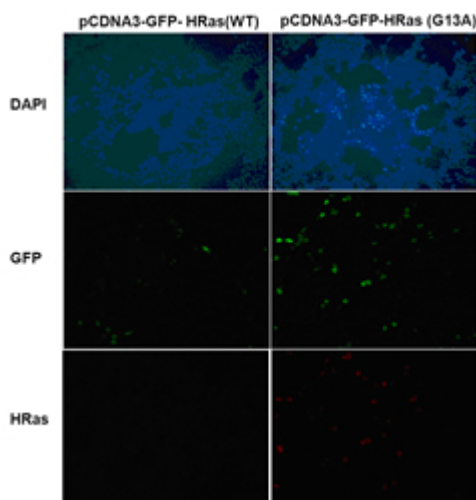


WB: anti-Ras (G13A) mAb

Western blot analysis of recombinant HRAS(G13A) and wild type proteins.

Purified His-tagged HRAS(G13A) protein (lane 2) and corresponding wild type 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).