

**RAS(G13D)****Ras(G13D)****Cat. #:** 26038**Gene Symbol:** Ras(G13D)**Description:** Anti-Ras(G13D) Mouse Monoclonal Antibody**Background:** Ras(G13D) is one type of Ras missense mutations at the codon 13. Ras protein is a membrane-associated GTPase that regulates cell proliferation, differentiation, and survival. Ras G13D mutation results in decreased GTPase activity and constitutive signaling. This mutation is found in many types of human cancers.**Immunogen:** A synthetic peptide from the internal region of Ras which includes the mutation of G13D, human origin.**Applications:** ELISA, WB, IF, IHC**Recommended Dilutions:**

ELISA: 1:100–1:3000

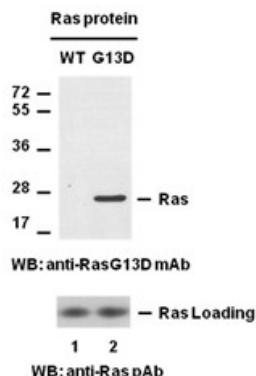
WB: 1:200–1:1000

IF: 1:50–1:100

IHC: 1:50–1:100

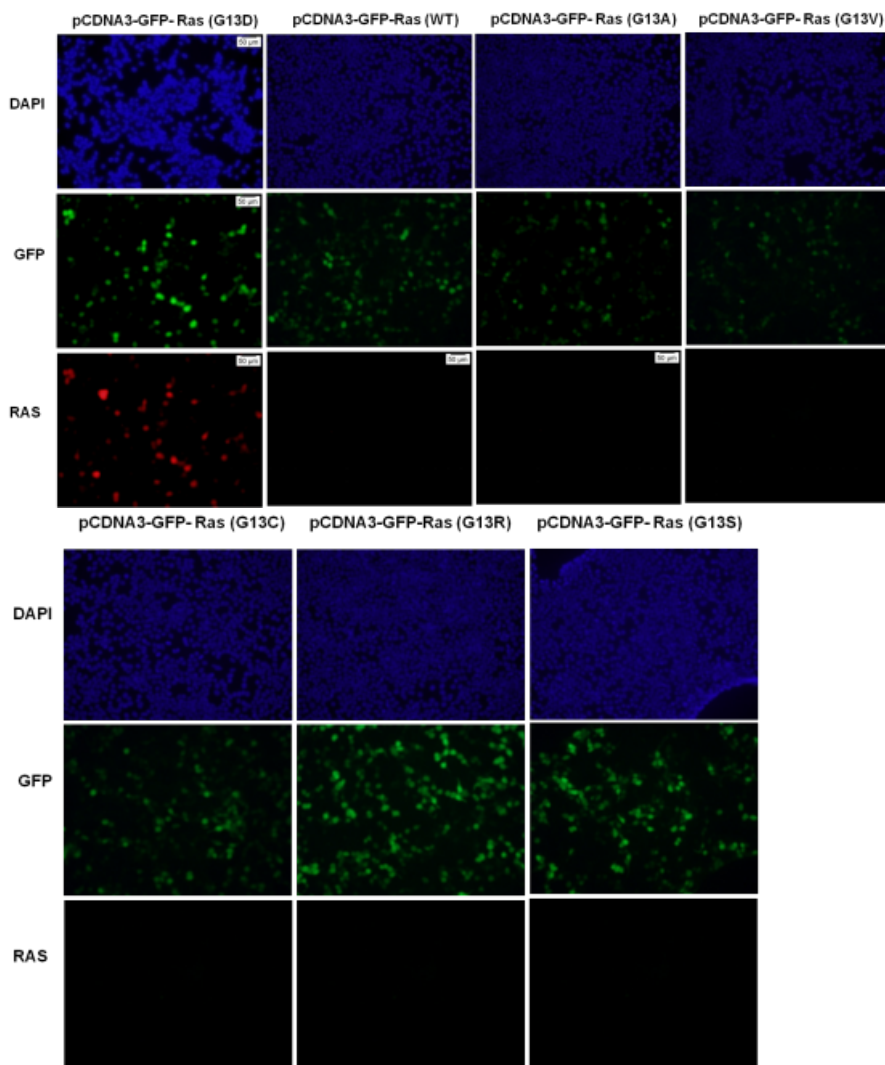
**Concentration:** 1 mg/ml**Host Species:** Mouse**Format:** Liquid**Clonality:** Monoclonal**Isotype:** IgG2b**Purity:** Purified from ascites**Preservative:** No**Constituents:** PBS (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl and 50% glycerol**Species Reactivity:** Anti-Ras(G13D) monoclonal antibody recognizes RasG13D proteins of vertebrates.**Storage Conditions:** Store at  $-20^{\circ}\text{C}$ . Avoid repeated freezing and thawing

## Western blot:



Western blot analysis of recombinant Ras WT and G13D proteins with anti-Ras(G13D) monoclonal antibody. Equal amounts of purified Ras WT (lane 1, Cat # 10172) and G13D (lane 2, Cat # 10155) proteins were loaded and blotted with anti-Ras(G13D) mouse monoclonal antibody (Cat # 26038) (top panel). Input control (bottom panel) was blotted with rabbit polyclonal anti-Ras antibody (Cat # 21021).

## Immunofluorescence:



Immunofluorescence of cells expressing RAS proteins with Anti-Ras(G13D) antibody. HEK293T cells were transfected with pCDNA3-GFP-Ras(G13D) plasmid, pCDNA3-GFP-Ras(WT) plasmid, pCDNA3-GFP-Ras(G13A) plasmid, pCDNA3-GFP-Ras(G13V) plasmid, pCDNA3-GFP-Ras(G13C) plasmid, pCDNA3-GFP-Ras(G12R) plasmid or pCDNA3-GFP-Ras(G13S) plasmid, then fixed and stained with anti-Ras(G13D) monoclonal antibody (Cat. # 26038).

