RAS(G13D)

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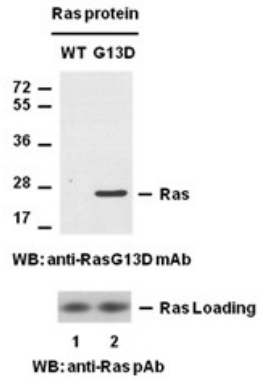
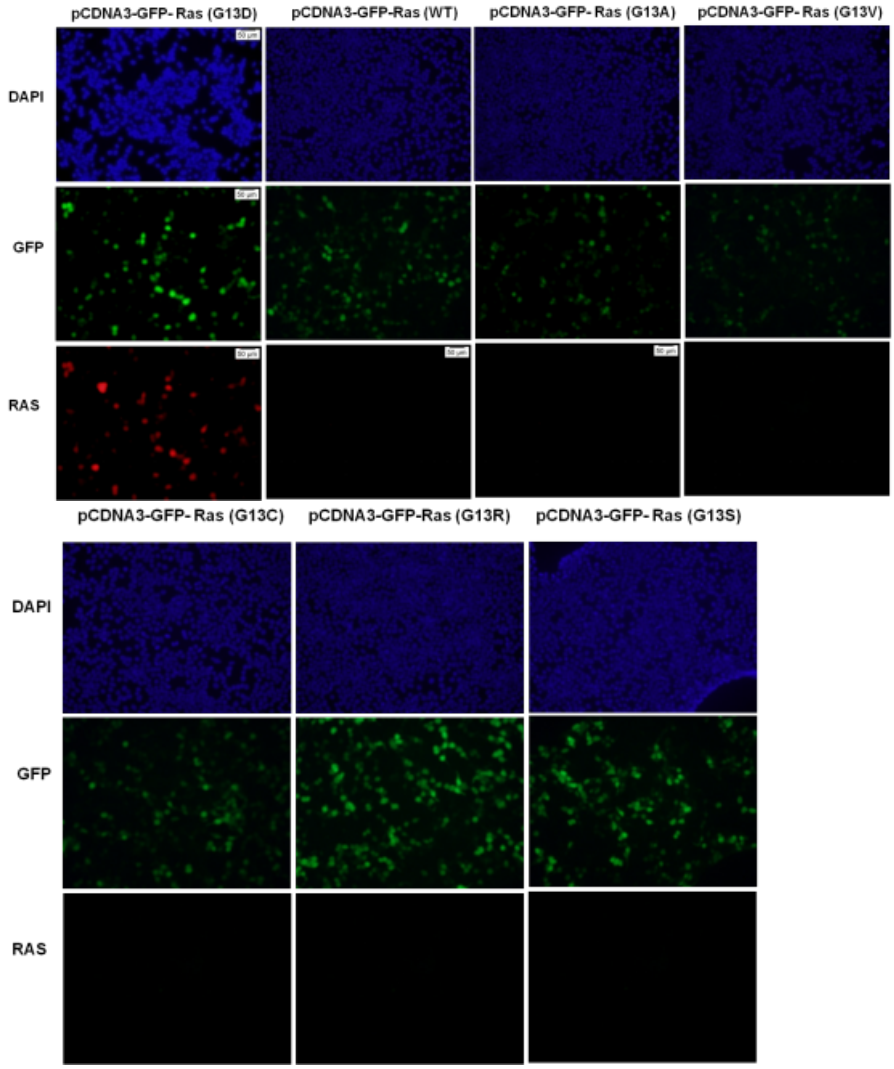
Cat. #: 26038
Gene Symbol: Ras(G13D)
Description: Anti-Ras(G13D) Mouse Monoclonal Antibody
Background: Ras(G13D) is one type of Ras missense mutations at the codon 13. Ras protein is a membrane-associated GTPase that regulates cell proliferation, differentiation, and survival. Ras G13D mutation results 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°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).