

RAS(Q61H)

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Cat. #: 26195

Gene Symbol: RAS

Description: Anti-Ras(Q61H) Mouse Monoclonal Antibody

Background: Ras protein is a membrane-associated GTPase signaling protein that regulates proliferation, differentiation, and cell survival. Ras Q61H mutation result in decreased GTPase activity and constitutive signaling, and is correlated with the development of pancreatic intraepithelial neoplasia and lung lesions.

Immunogen: A synthetic peptide from the internal region of Ras which includes the mutation of Q61H, human origin

Applications: ELISA, WB, IF, IHC

Recommended Dilutions:

ELISA 1:100–1:5000

WB 1:100–1:2000

IF 1:50–1:100

IHC 1:50–1:100

Concentration: 2 mg/ml

Host Species: Mouse

Format: Liquid

Clonality: Monoclonal

Isotype: IgG

Purity: Purified from ascites

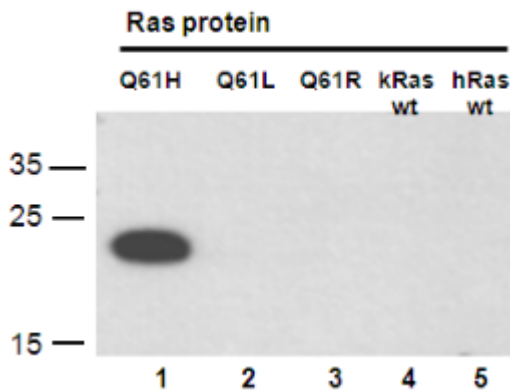
Preservative: No

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes Ras(Q61H) mutated, but not wild type Ras proteins of vertebrates.

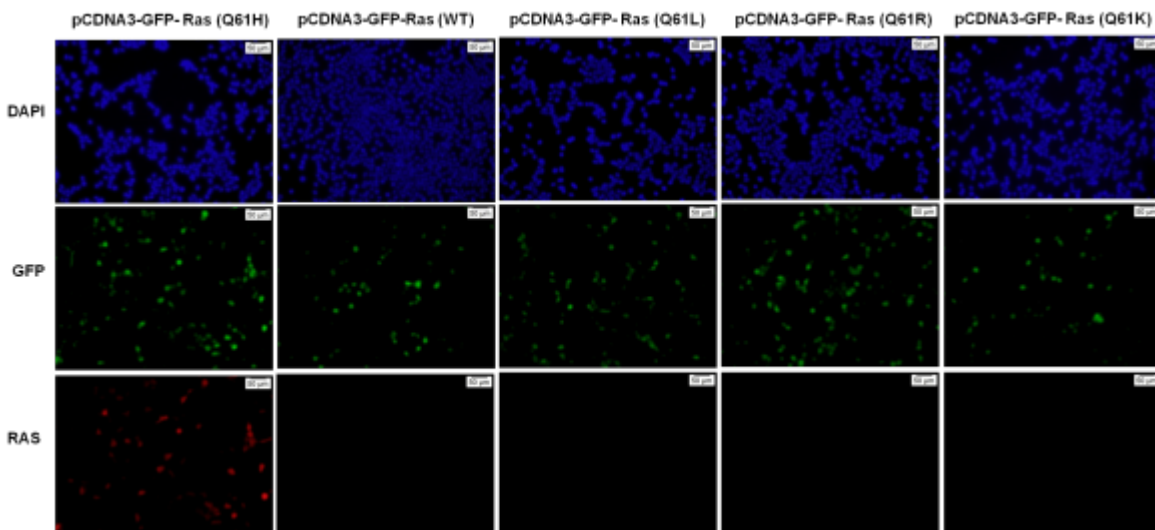
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

Western blot:



Western blot analysis of recombinant Ras proteins. Equal amount of purified Ras Q61H (lane 1), Ras Q61L (lane 2), Ras Q61R (lane 3), kRas WT (lane 4), hRas WT (lane 5), then were loaded and blotted with anti-Ras(Q61H) mouse monoclonal antibody (Cat. #26195).

Immunofluorescence:



Immunofluorescence of cells expressing Ras proteins with Anti-Ras(Q61H) antibody. HEK293T cells were transfected with pCDNA3-GFP-Ras(Q61H) plasmid, pCDNA3-GFP-Ras (WT) plasmid, pCDNA3-GFP-Ras (Q61L) plasmid, pCDNA3-GFP-Ras (Q61R) plasmid or pCDNA3-GFP-Ras (Q61K) plasmid, then fixed and stained with Anti-Ras(Q61H) monoclonal antibody (Cat. #26195).