

Ras (A146V)

Catalog Number: 26479

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

Description: Anti-RAS (A146V) Mouse Monoclonal Antibody

Background: The A146V mutation of KRas results in an amino acid substitution at position 146, from an alanine to a threonine. KRAS encodes a protein that is a member of the small GTPase superfamily. Ras A146V mutation results in decreased GTPase activity and constitutive signaling. It can be found in many tumors, such as lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma.

Immunogen: A synthetic peptide from the internal region of Ras which includes the mutation of A146V, human origin.

Tested applications: ELISA, WB, IF, IHC

Recommended dilutions:

ELISA: 1:1000-1:5000

WB: 1:500-1:1000

IF: 1:50-1:1000

IHC: 1:25-1:100

Concentration: 1 mg/ml

Host: Mouse

Clonality: Monoclonal

Purity: Purified from ascites

Format: Liquid

Storage buffer:

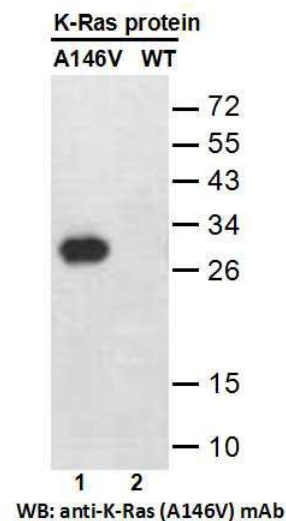
Preservative: no

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

Species Reactivity: Recognizes A146V mutant, but not wild-type RAS of vertebrates.

Storage Conditions: Store at -20°C. Avoid freeze / thaw cycles.

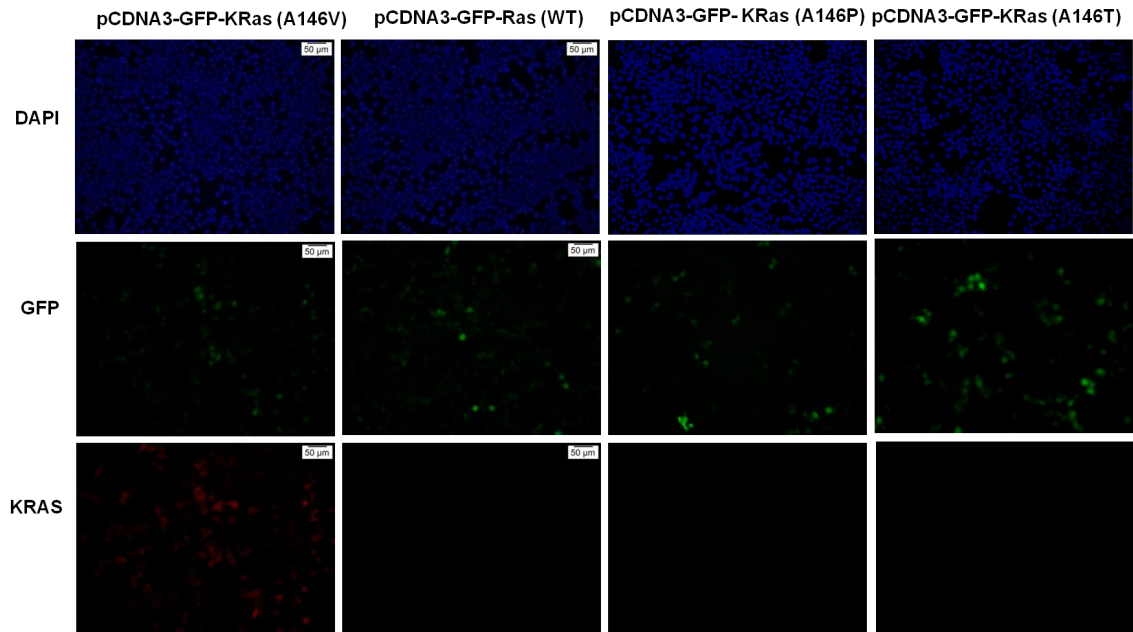
Western blot:



Western blot analysis of recombinant Ras (A146V) and wild-type proteins.

Purified His-tagged Ras (A146V) protein (lane 1) and corresponding wild-type protein (lane 2) were blotted with anti-Ras (A146V) monoclonal antibody (Cat. #26479).

Immunofluorescence:



Immunofluorescence of cells expressing KRas proteins with anti-KRas (A146V) antibody.

HEK293T cells were transfected with pCDNA3-GFP-KRas (A146V) plasmid, pCDNA3-GFP-KRas (WT) plasmid, pCDNA3-GFP-KRas (A146P) plasmid or pCDNA3-GFP-KRas (A146T) plasmid, then fixed and stained with anti-KRas (A146V) monoclonal antibody (Cat. #26479).