

# **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

### **RAS(A146V)**

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**Cat. #:** 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.

**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<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 50%

glycerol

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

vertebrates.

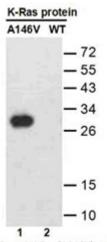
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing



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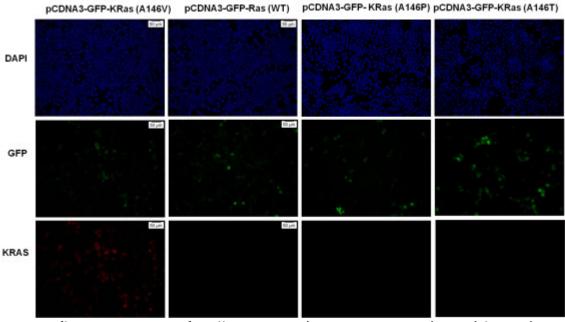
#### **Western blot:**



WB: anti-K-Ras (A146V) mAb

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).