

**RAS(A146P)****RAS(A146P)****Cat. #:** 26478**Gene Symbol:** H-Ras; K-Ras; N-Ras**Description:** Anti-RAS(A146P) Mouse Monoclonal Antibody**Background:** The A146P 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 A146P 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 A146P, human origin.**Applications:** ELISA, WB, IHC**Recommended Dilutions:**

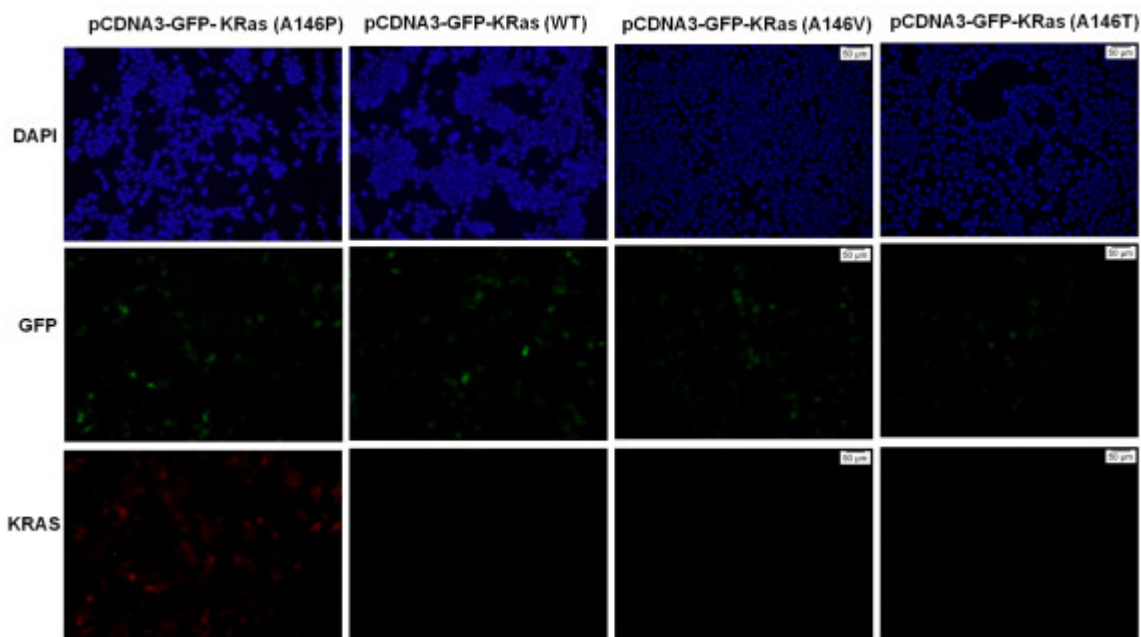
ELISA: 1:1000–1:5000

IF: 1:50–1:100

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  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl, 50% glycerol**Species Reactivity:** Recognizes A146P mutant, but not wild type RAS of vertebrates.**Storage Conditions:** Store at  $-20^{\circ}C$ . Avoid repeated freezing and thawing

## Immunofluorescence:



Immunofluorescence of cells expressing KRas proteins with anti-KRAS(A146P) antibody. HEK293T cells were transfected with pCDNA3-GFP-KRAS(A146P) plasmid, pCDNA3-GFP-KRas (WT) plasmid, pCDNA3-GFP-KRas (A146V) plasmid or pCDNA3-GFP-KRas (A146T) plasmid, then fixed and stained with anti-KRAS(A146P) monoclonal antibody (Cat. #26478).