

AP06301PU-N**Polyclonal Antibody to H/K/N-Ras - Aff - Purified**

Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	<p>The KRAS gene encodes the human cellular homolog of a transforming gene isolated from the Kirsten rat sarcoma virus. The RAS proteins are GDP/GTP-binding proteins that act as intracellular signal transducers. The most well-studied members of the RAS (derived from 'Rat Sarcoma' virus) gene family include KRAS, HRAS, and NRAS. These genes encode immunologically related proteins with a molecular mass of 21 kD and are homologs of rodent sarcoma virus genes that have transforming abilities. While these wildtype cellular proteins in humans play a vital role in normal tissue signaling, including proliferation, differentiation, and senescence, mutated genes are potent oncogenes that play a role in many human cancers.</p>
Host:	Rabbit
Immunogen:	Synthetic peptide, corresponding to amino acids 1-50 of Human Ras.
Format:	State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Purification: Affinity Chromatography using epitope-specific immunogen Buffer System: Phosphate buffered saline (PBS), pH7.2 Preservatives: 0.05% Sodium Azide
Applications:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~ 21 kDa
Specificity:	This antibody detects endogenous levels of RASH/RASK protein. (region surrounding His27)
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse and Rat.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: One year from despatch.

Pictures:

Western blot (WB) analysis of Ras antibody (Cat.-No.: AP06301PU-N) at 1/500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Hela whole cell lysate

Lane3:Mouse brain tissue lysate

Lane4:Rat heart tissue lysate

