

Rabbit KRAS Polyclonal Antibody | anti-KRAS antibody

KRAS Antibody

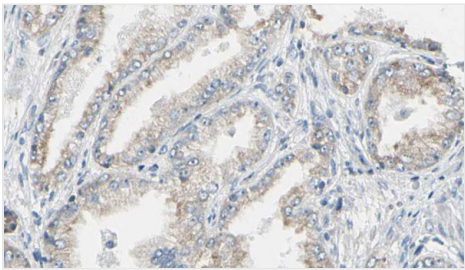
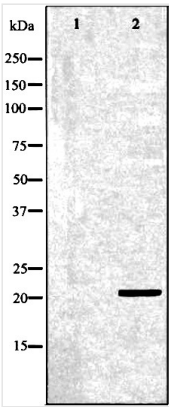
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326101	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

KRAS; Polyclonal Antibody; KRAS Antibody; c Ki ras2; c Kirsten ras protein; c-K-ras; c-Ki-ras; Cellular c Ki ras2 proto oncogene; Cellular transforming proto oncogene; CFC2; cK Ras; GTPase KRas; K RAS p21 protein; K RAS2A; K RAS2B; K RAS4A; K RAS4B; K-Ras 2; KI RAS; Ki-Ras; KIRSTEN MURINE SARCOMA VIRUS 2; Kirsten rat sarcoma 2 viral (v Ki ras2) oncogene homolog; Kirsten rat sarcoma viral oncogene homolog; KRAS proto oncogene; GTPase; KRAS1; KRAS2; N-terminally processed; NS; NS3; Oncogene KRAS2; p21ras; PR310 c K ras oncogene; PR310 cK ras oncogene; RALD; RASK_HUMAN; RASK2; Transforming protein p21; v Ki ras2 Kirsten rat sarcoma 2 viral oncogene homolog; v Ki ras2 Kirsten rat sarcoma viral oncogene homolog; anti-KRAS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	KRAS antibody detects endogenous levels of total KRAS
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	188
Applicable Applications for anti-KRAS antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human KRAS, corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326101 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts from Mouse liver, using KRAS Ab. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KRAS antibody	Description: The 21 kDa guanine-nucleotide binding proteins (K-Ras, H-Ras, and N-Ras) cycle between active (GTP-bound) and inactive (GDP-bound) forms. Receptor tyrosine kinases and G protein-coupled receptors activate Ras, which then stimulates the Raf-MEK-MAPK pathway. GTPase-activating proteins (GAP) normally facilitate the inactivation of Ras. However, research studies have shown that in 30% of human tumors, point mutations in Ras prevent the GAP-mediated inhibition of this pathway. The most common oncogenic Ras mutation found in tumors is Gly12 to Asp12 (G12D), which prevents Ras inactivation, possibly by increasing the overall rigidity of the protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15718761
NCBI GeneID	3845
NCBI Accession #	NP_004976.2
NCBI GenBank Nucleotide #	NM_004985.4
UniProt Accession #	P01116; P01118; Q96D10; A8K8Z5; B0LPF9
Molecular Weight	21 kDa
NCBI Official Full Name	GTPase KRas isoform b
NCBI Official Synonym Full Names	KRAS proto-oncogene, GTPase
NCBI Official Symbol	KRAS
NCBI Official Synonym Symbols	NS; NS3; CFC2; RALD; K-Ras; KRAS1; KRAS2; RASK2; KI-RAS; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B; c-Ki-ras2
NCBI Protein Information	GTPase KRas
UniProt Protein Name	GTPase KRas
UniProt Gene Name	KRAS
UniProt Synonym Gene Names	KRAS2; RASK2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.