



Anti-KRAS (aa 1-50) polyclonal antibody (CPBT-55106RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human KRAS.
Antigen Description	This gene, a Kirsten ras oncogene homolog from the mammalian ras gene family, encodes a protein that is a member of the small GTPase superfamily. A single amino acid substitution is responsible for an activating mutation. The transforming protein that results is implicated in various malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. Alternative splicing leads to variants encoding two isoforms that differ in the C-terminal region.
Immunogen	Synthetic peptide designed within residues: TEYKLVVVG GGVGKSALT IQLIQNHFVDE YDPTIEDSYR KQVVIDGETC, corresponding to N terminal amino acids 1-50 of Human cK Ras
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Zebrafish
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Sequence Similarities	Belongs to the small GTPase superfamily. Ras family.
Cellular Localization	Cell membrane.
Format	Liquid
Size	50 µg

Buffer	Preservative: NoneConstituents: 2% Sucrose, PBS
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog [Homo sapiens]
Official Symbol	KRAS
Synonyms	KRAS; v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog; KRAS2,v Ki ras2 Kirsten rat sarcoma 2 viral oncogene homolog; GTPase KRas; KRAS1; N-terminally processed; c-K-ras; c-Ki-ras; cK Ras; GTPase KRas; K RAS p21 protein; K-Ras 2; KI RAS; Ki-Ras; KRAS; KRAS1; KRAS2; NS3; PR310 cK ras oncogene; RASK_HUMAN; RASK2; Transforming protein p21; K-Ras 2; c-Ki-ras; oncogene KRAS2; K-ras p21 protein; c-Kirsten-ras protein; PR310 c-K-ras oncogene; transforming protein p21; cellular c-Ki-ras2 proto-oncogene; v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog; Kirsten rat sarcoma-2 viral (v-Ki-ras2) oncogene homolog; NS; NS3; KRAS2; RASK2; KI-RAS; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B;
Entrez Gene ID	3845
Protein Refseq	NP_004976
UniProt ID	A0A024RAV5
Chromosome Location	12p12.1
Pathway	ARMS-mediated activation, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signali
Function	GDP binding; GMP binding; GTP binding; GTPase activity; LRR domain binding; Ral guanyl-nucleotide exchange factor activity; nucleotide binding; protein binding;