



Anti-KRAS monoclonal antibody, clone MAAG3211 (CAB-5764MH)

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

PRODUCT INFORMATION

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| Product Overview | Mouse Anti-KRAS Monoclonal Antibody |
| 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. |
| Target | KRAS |
| Immunogen | KRAS (AAH13572, 1 a.a. ~ 189 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Isotype | IgG1 |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | MAAG3211 |
| Conjugate | Unconjugated |
| Applications | ELISA, WB |
| Format | Clear, colorless solution in phosphate buffered saline, pH 7.2. |
| Size | 100 µg |
| Preservative | None |

Storage Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

GENE INFORMATION

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| 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; 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; Activation of RAS in B Cells, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; |
| Function | GDP binding; GMP binding; GTP binding; GTPase activity; LRR domain binding; nucleotide binding; protein binding; |
