

**Anti-Human/Mouse/Rat KRAS Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA04007**

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3th Edition

**Description:** KRAS, also called p21, is a member of the Ras superfamily of proteins. It is located on human chromosome 12, and contains four coding exons and a 5' non-coding exon (PMID: 12778136). KRAS is a membrane-anchored guanosine triphosphate/guanosine diphosphate (GTP/GDP)-binding protein and is widely expressed in most human cells. Like other members of the Ras family, the KRAS protein is a GTPase, and it is involved in intracellular signal transduction and mainly responsible for EGFR-signaling activation (PMID: 19117687). KRAS mutations have been found in various malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. KRAS has two isoforms, a and b.

**Antigen:** Synthesized peptide derived from the C-terminal region of human KRAS

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH 7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**