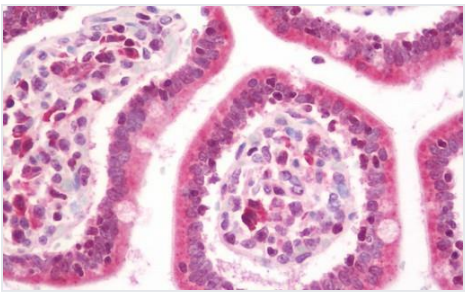
KRAS Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KRAS, Polyclonal Antibody
Full Product Name	Anti-KRAS Antibody
Product Gene Name	anti-KRAS antibody
Product Synonym Names	Rabbit Polyclonal (IgG) to Human KRAS; KRAS; C-K-RAS; C-Ki-ras; C-Kirsten-ras protein; GTPase KRas; K-ras p21 protein; K-RAS2B; K-RAS2; KRAS2; NS; NS3; K-RAS4A; KRAS1; RASK2; Transforming protein p21; Oncogene KRAS2; K-Ras 2; K-RAS2A; K-RAS4B; KI-RAS; PR310 c-K-ras oncogene
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS, pH 7.4, 0.03% Proclin 300, 50% glycerol.
Purity/Purification	Caprylic acid and ammonium sulfate precipitation
Specificity	Human KRAS
Preparation and Storage	Aliquot and store at -20 degree C or -80 degree C. Avoid freeze-thaw cycles.
Molecular Weight	21,425 Da
OMIM	190070
3D Structure	ModBase 3D Structure for P01116
Immunogen	Recombinant human GTPase KRas protein.
Conjugation	Unconjugated
Product Categories/Family for anti-KRAS antibody	Ras GTPase superfamily IPR001806; RAS oncogene
Applications Tested/Suitable for anti-KRAS antibody	ELISA (EIA), Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-KRAS antibody	IHC-P: 10 ug/ml
Related Product Information for anti-KRAS antibody	This gene, a Kirsten ras oncogene homolog from the mammalian ras genefamily, encodes a protein that is a member of the small GTPasesuperfamily. A single amino acid substitution is responsible for anactivating mutation. the transforming protein that results is implicatedin various malignancies, including lung adenocarcinoma, mucinousadenoma, ductal carcinoma of the pancreas and colorectal carcinoma.
Other Notes	Small volumes of anti-KRAS antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KRAS purchase	MBS2401116 is an antibody targeting KRAS. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-KRAS antibody
Anti-KRAS antibody IHC staining of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml. This image was taken for the unconjugated form of this product. Other forms have not been tested.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KRAS. It may not necessarily be applicable to this product.

NCBI GI #	15718763
NCBI GeneID	3845
NCBI Accession #	NP_203524.1
UniProt Primary Accession #	P01116
UniProt Secondary Accession #	P01118; Q96D10; A8K8Z5; B0LPF9
UniProt Related Accession #	P01116
GenBank Nucleotide #	NM_033360.3
NCBI Official Full Name	GTPase KRas isoform a
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
UniProt Protein Name	GTPase KRas
UniProt Synonym Protein Names	K-Ras 2; Ki-Ras; c-K-ras; c-Ki-ras
Protein Family	GTPase
UniProt Gene Name	KRAS
UniProt Synonym Gene Names	KRAS2; RASK2
NCBI Protein Information	GTPase KRas
NCBI Summary for KRAS	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. [provided by RefSeq, Jul 2008]
UniProt Comments for KRAS	Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the regulation of cell proliferation (PubMed:23698361, PubMed:22711838). Plays a role in promoting oncogenic events by inducing transcriptional silencing of tumor suppressor genes (TSGs) in colorectal cancer (CRC) cells in a ZNF304-dependent manner (PubMed:24623306).
Research Articles on KRAS	**1.** KRAS and BRAF mutations are negatively associated with overall and relapse-free survival in patients who undergo complete liver resection for colorectal cancer liver metastases

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