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Anti-KRAS Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17974

Product Information

Application	WB, IHC-P, E
Primary Accession	P01116
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	21656

Additional Information

Gene ID	3845
Alias Symbol	KRAS
Other Names	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
Target/Specificity	Human KRAS
Reconstitution & Storage	Caprylic acid and ammonium sulfate precipitation
Precautions	Anti-KRAS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KRAS
Synonyms	KRAS2, RASK2
Function	Signal transducer in the Ras-MAPK signaling pathway that regulates cell proliferation and survival (PubMed:22711838, PubMed:23698361). Ras proteins bind GDP/GTP and possess intrinsic GTPase activity (PubMed:20949621, PubMed:39809765). Activates MAPK1/MAPK3 resulting in phosphorylation and ultimately degradation of GJA1 (By similarity). 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). Recognized by LZTR1 that mediates its ubiquitination by a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex (PubMed:40934300).

Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side. Endomembrane system. Cytoplasm
Tissue Location	Expressed throughout the epidermis, but weakly expressed in the stratum corneum and dermis (at protein level)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.