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Anti-KRAS Reference Antibody (Genentech patent anti-KRAS)

Catalog # APR11540

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P01116
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	21656

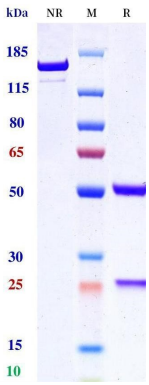
Additional Information

Target/Specificity	KRAS
Expression system	CHO

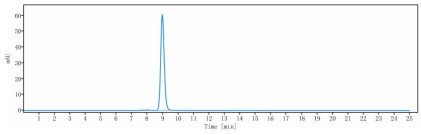
Protein Information

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)

Images



Anti-KRAS Reference Antibody (Genentech patent anti-KRAS) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-KRAS Reference Antibody (Genentech patent anti-KRAS) is 98.7%, determined by SEC-HPLC.

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