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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-KRAS G12D mutant [D113] Bulk Size Ab03877-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: D113

Alternative Name(s) of Target: K-Ras; GTPase Kras; KRAS2; RASK2; K-Ras 2; Ki-Ras; c-K-ras; c-Ki-ras; ras p21 protein; p21 ras; D113-2-1

UniProt Accession Number of Target Protein: P01116-2

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing mice with a synthetic dodecapeptide 'KLVVVGADGVGK'.

Specificity: This antibody binds the G12D mutant form of human KRAS protein. This ras protein binds GDP/GTP and possess intrinsic GTPase activity, that results in conversion of nucleotide guanosine triphosphate (GTP) into guanosine diphosphate (GDP). This protein plays an important role in many signal transduction pathways and regulation of cell proliferation. Somatic KRAS mutations are highly observed in leukemias, colorectal cancer, pancreatic cancer and lung cancer. KRAS mutation is G12D which is estimated to be present in up to 37% pancreatic cancers and over 12% of colorectal cancers.

Application Notes: The binding reactivity and epitope characterization of this antibody towards human KRAS G12D mutant was determined using ELISA (PMID: 9440050). This antibody can bind both the peptide 'KLVVVGADGVGK' conjugated BSA as well as KRAS G12D mutant in an ELISA.

Antibody First Published in: Wang et al. Epitopic characterization of the human wild-type and mutant ras proteins using membrane-bound peptides. J Pept Res. 1997 Dec;50(6):483-92. [PMID:9440050](#)

Note on publication: Describes the epitope characterization of many anti-ras protein antibodies.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification:

Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.