



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-KRAS G12D mutant [D113] Standard Size Ab03877-10.3

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:** 100 µg Purified antibody.

**Purification:**

Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.