



# 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-Cytokeratin 18 [RGE53] Standard Size Ab03339-10.3

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:** RGE53

**Alternative Name(s) of Target:** K18; CK-18; Keratin K18; Keratin type I cytoskeletal 18; Cell proliferation-inducing gene 46 protein; Cytokeratin-18; Keratin-18

**UniProt Accession Number of Target Protein:** P05783

**Published Application(s):** WB, FC, IHC

**Published Species Reactivity:** canine, Chicken, Hamster, Rabbit, Rat, Swine, Zebrafish, Human, Mouse

**Immunogen:** The original antibody was generated by immunizing a BALB/c mouse with a cytoskeletal preparation of HeLa cells.

**Specificity:** The antibody reacts exclusively with Cytokeratin 18 which is present in glandular epithelial cells of the digestive, respiratory, and urogenital tracts, endocrine and exocrine cells and mesothelial cells, as well as adenocarcinomas originating from them.

**Application Notes:** The antibody recognized glandular epithelial cells from female breast, digestive, respiratory, and urogenital tracts, endocrine and exocrine tissues, and mesothelial cells. Further, the antibody could distinguish adenocarcinomas and mesotheliomas, which stain positively in the indirect immunofluorescence technique (Ramaekers et al., 1983; PMID: 6193333). Further, the antibody produced fibrillar staining patterns in cultured HeLa cells, in cultured human hepatoma cells, F9 mouse teratocarcinoma cells and in a human colon carcinoma cell line (WiDr-218). The antibody detected Cytokeratin 18 in HeLa cells and cultured human hepatoma cells by western blot analysis (Ramaekers et al., 1983; PMID: 6350235). The antibody reacted with glandular and ductal epithelia, including those of the gastrointestinal tract, prostate, and kidney and with hepatocytes and mesothelium in immunohistochemistry (Ramaekers et al., 1990; PMID: 1690512).

**Antibody First Published in:** Ramaekers et al. Antibodies to intermediate filament proteins in the immunohistochemical identification of human tumors: an overview Histochem J. 1983 Jul;15(7):691-713. PMID:6350235

**Note on publication:** The original paper describes the generation and characterization of the antibody.

## 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.