

## Anti-Cytokeratin 18 [RGE53] Bulk Size Ab03339-10.0-BT

**Isotype and Format:** Human IgG1, 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:** 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.