

anti-Keratin K18 mouse monoclonal, RGE53, supernatant

Cat. No.	10500
Quantity	1 mL

Product description

Host	mouse
Antibody Type	monoclonal
Isotype	IgG1
Clone	RGE53
Immunogen	isolated from HeLa cells
Purification	hybridoma cell culture supernatant
Conjugate	unconjugated
Formulation	contains 0.1% sodium azide
Storage	short term at 2 – 8 °C; long term storage in aliquots at - 20 °C; avoid freeze/ thaw cycles
Tested species reactivity	chicken, dog, human, mouse, pig, rabbit, rat (most mammals)

Applications

Tested applications	Tested dilutions
Immunohistochemistry (IHC) - frozen	1:5 - 1:10
Western Blot (WB)	assay dependent

Background

RGE 53 specifically recognizes simple and glandular epithelial cells from the gastrointestinal tract, the respiratory tract and the urogenital tract, as well as endocrine and exocrine tissues and myoepithelial cells. No reaction with stratified squamous epithelia. In the transitional epithelium of the bladder RGE 53 reacts only with superficial (umbrella) cells. The antibody is useful for the discrimination of adenocarcinomas and mesotheliomas from squamous cell carcinomas and non-epithelial tumors. Polypeptide reacting: 45 kD keratin K18 (formerly also designated cytokeratin 18).

Positive control: Adenocarcinoma

Reference

Publication	Species	Application
Puts, J. J., Moesker, O., Kenemans, P., Vooijs, G. P. & Ramaekers, F. C. Expression of cytokeratins in early neoplastic epithelial lesions of the uterine cervix. <i>Int. J. Gynecol. Pathol.</i> 4, 300–13 (1985).	human	IHC (frozen)
Herman, C. J., Vegt, P. D., Debruyne, F. M., Vooijs, G. P. & Ramaekers, F. C. Squamous and transitional elements in rat bladder carcinomas induced by N-butyl-N-4-hydroxybutyl-nitrosamine (BBN). A study of cytokeratin expression. <i>Am. J. Pathol.</i> 120, 419–426 (1985).	human	IHC (frozen)

Product Images

