Product datasheet

anti-Keratin K18 mouse monoclonal, RGE53, supernatant

Short overview

Cat. No.	10500
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	RGE53
Immunogen	Isolated from HeLa cells
Formulation	Contains 0.1% sodium azide
UniprotID	A0A1D5PHS2 (Chicken),P05783 (Human),P05784 (Mouse),F1SGG1 (Pig),H0UYZ2 (Guinea pig),Q5BJY9 (Rat)
Synomym	Keratin, type I cytoskeletal 18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, CK-18, Keratin-18, K18, KRT18, CYK18, PIG46
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Chicken, Dog, Human, Mouse, Pig, Rabbit, Rat

Applications

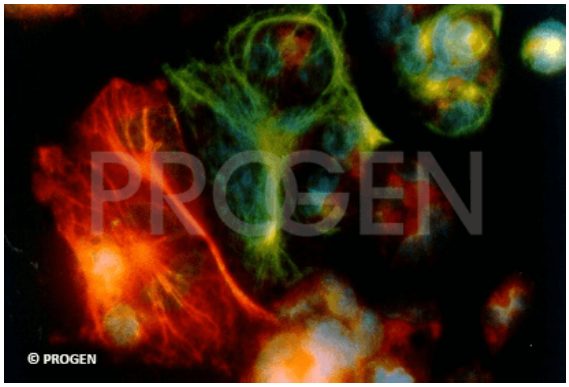
Immunohistochemistry (IHC) - frozen	1:5-1:10
Western Blot (WB)	Assay dependent

Background

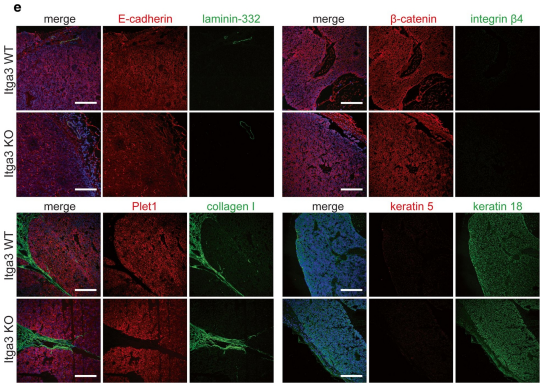
RGE 53 specifically recognizes simple and glandular epithelial cells from the gastrointestinal tract, the respiratory tract and the urogenital tract, as well as endocrine and exocrine tissues and myoepithelial cells. No reaction with stratified squamous epithelia. In the transitional epithelium of the 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

Product images



human Lung Carcinoma Cell Line



Ramovs, V., Secades, P., et al. Absence of integrin Î±3Î²1 promotesÂ the progression of HER2-driven breast cancer in vivo. Breast Cancer Res. 2019-05-17. Species/Reactant: Mus musculus (House mouse)Applications: Immunocytochemistry-immunofluorescenceImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

References

Publication	Species	Application
Ramovs, V. et al. Absence of integrin Î±3Î²1 promotesÂ the progression of HER2-driven breast cancer in vivo. Breast.Cancer.Res. 21, 63 (2019)	mouse	IHC-IF
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. Am. J. Pathol. 120, 419	human	IHC (frozen)
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. Int. J. Gynecol. Pathol. 4, 300â€“13 (1985).	human	IHC (frozen)