

Product datasheet for **BM6003P**

Cytokeratin 7 (KRT7) Mouse Monoclonal Antibody [Clone ID: RCK105]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RCK105
Applications:	FC, IF, IHC, WB
Recommended Dilution:	Immunoblotting. Flow Cytometry. Immunocytochemistry. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections. <i>Recommended Dilutions:</i> 1/100-1/200 for Flow Cytometry, and for Immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1/100-1/1000 for Immunoblotting .
Reactivity:	Canine, Feline, Goat, Hamster, Human, Mouse, Rat, Zebrafish
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cytokeratins from the Human bladder carcinoma cell line T24.
Specificity:	<i>RCK105</i> reacts exclusively with Cytokeratin 7 which is present in a subgroup of glandular epithelia and their tumors, as well as transitional epithelium and transitional carcinoma.
Formulation:	PBS with 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freeze-thaw cycles.
Stability:	Shelf life: One year from despatch.
Gene Name:	keratin 7



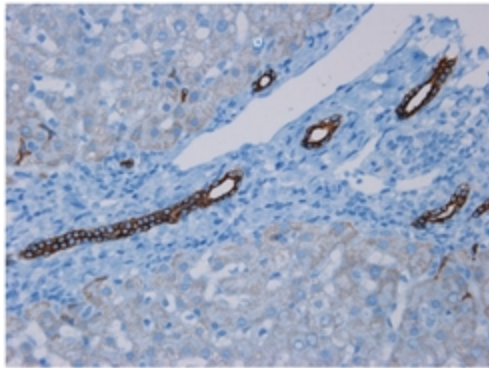
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Database Link: [Entrez Gene 3855 Human P08729](#)

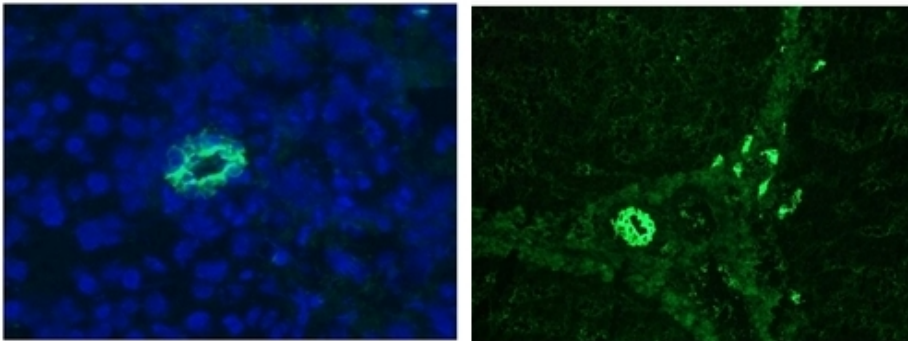
Background: Cytokeratins are a subfamily of intermediate filament proteins and are characterized by a remarkable biochemical diversity, represented in human epithelial tissues by at least 20 different polypeptides. They range in molecular weight between 40 kDa and 68 kDa and isoelectric pH between 4.9-7.8. The individual human cytokeratins are numbered 1 to 20. The various epithelia in the human body usually express cytokeratins which are not only characteristic of the type of epithelium, but also related to the degree of maturation or differentiation within an epithelium. Cytokeratin subtype expression patterns are used to an increasing extent in the distinction of different types of epithelial malignancies. The cytokeratin antibodies are not only of assistance in the differential diagnosis of tumors using immunohistochemistry on tissue sections, but are also a useful tool in cytopathology and flow cytometric assays.

Synonyms: KRT7, KRT-7, SCL, CK-7, CK7, Keratin-7, K7, K-7, Sarcolectin

Product images:



Immunohistochemistry on paraffin section of human liver.



Immunohistochemistry on frozen sections of human liver (Left) and swine liver (Right), only bile duct epithelium positive; no reaction in hepatocytes.