

Product datasheet for **DM057P**

Cytokeratin 7 (KRT7) Mouse Monoclonal Antibody [Clone ID: OVTL-12/30]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OVTL-12/30
Applications:	FC, IF, IHC, WB
Recommended Dilution:	Immunohistochemistry on Frozen and Paraffin Embedded Sections: 1/100- 1/200 with an ABC method. Antibody Cat.-No DM057P is effective on frozen tissue after fixation in Methanol. It is particularly effective on paraffin-embedded tissue, for which pretreatment with e.g. 0.1% pronase / 0.1% trypsin in PBS or 0.5% pepsin in 0.01N HCl or microwave pretreatment is required. Immunocytochemistry. Immunoblotting: 1/100-1/1000. Flow Cytometry: 1/100-1/200.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A cytoskeletal preparation of OTN- 1 ovarian carcinoma cell line
Specificity:	This antibody reacts exclusively with Cytokeratin 7 which is present in specific glandular-type epithelia and most carcinomas derived thereof.
Formulation:	PBS containing 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 freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 7



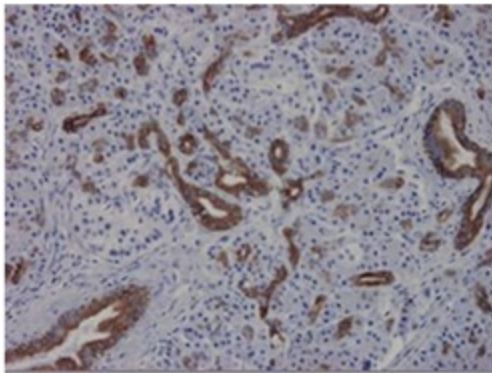
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Database Link: [Entrez Gene 3855 Human P08729](#)

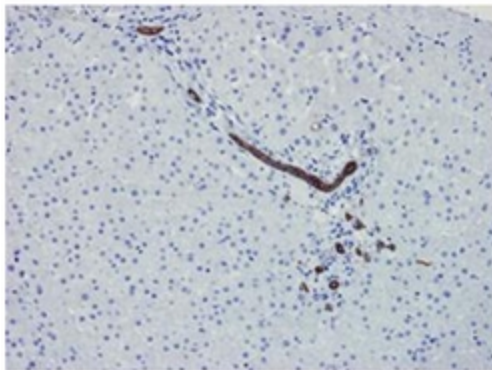
Background: Cytokeratins are a subfamily of intermediate filament proteins and are characterized by a remarkable biochemical diversity, represented in human epithelial tissues by at least 20 different polypeptides. They range in molecular weight between 40 kDa and 68 kDa and isoelectric pH between 4.9 - 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

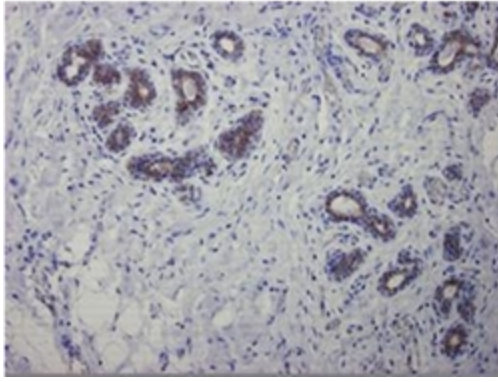
Product images:



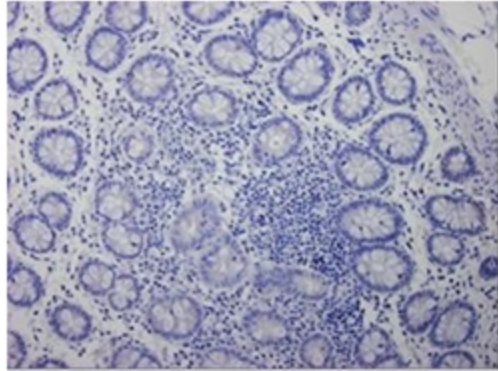
Immunohistochemistry on Paraffin Sections of Human pancreas: epithelia strongly positive.



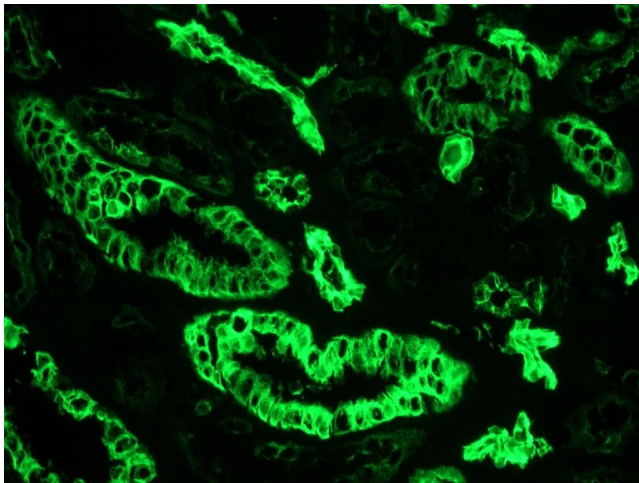
Immunohistochemistry on Paraffin Sections of Human liver: bile ducts strongly positive.



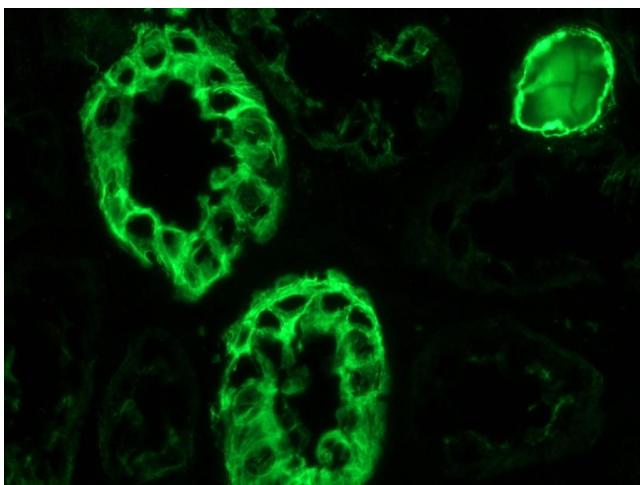
Immunohistochemistry on paraffin section of Human breast: positive staining of lobuli and ducti.



Immunohistochemistry on paraffin section of Human colon: no reactivity in the crypt epithelium.



Frozen section of human kidney tissue immunostained with DM057P, showing strong reactivity in the epithelial cells of the tubules.



Frozen section of human kidney tissue immunostained with DM057P, showing strong reactivity in the epithelial cells of the tubules (higher magnification).