

# Cytokeratin 7 (KRT7) (Glandular and Transitional Epithelial Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone K72.7 ]

Catalog # AH11644

## Product Information

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<b>Application</b>	IHC, IF, FC
<b>Primary Accession</b>	<a href="#">P08729</a>
<b>Other Accession</b>	<a href="#">3855</a> , <a href="#">411501</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	Mouse / IgG1, kappa
<b>Clone Names</b>	K72.7
<b>Calculated MW</b>	51386

## Additional Information

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<b>Gene ID</b>	3855
<b>Other Names</b>	Keratin, type II cytoskeletal 7, Cytokeratin-7, CK-7, Keratin-7, K7, Sarcolectin, Type-II keratin Kb7, KRT7, SCL
<b>Application Note</b>	IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50
<b>Storage</b>	Store at 2 to 8°C.Antibody is stable for 24 months.
<b>Precautions</b>	Cytokeratin 7 (KRT7) (Glandular and Transitional Epithelial Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	KRT7
<b>Synonyms</b>	SCL
<b>Function</b>	Blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the translational regulation of the human papillomavirus type 16 E7 mRNA (HPV16 E7).
<b>Cellular Location</b>	Cytoplasm.
<b>Tissue Location</b>	Expressed in cultured epidermal, bronchial and mesothelial cells but absent in colon, ectocervix and liver. Observed throughout the glandular cells in the junction between stomach and esophagus but is absent in the esophagus.

## Background

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It recognizes an intermediate filament protein (IFP) of 55kDa, which is identified as cytokeratin 7. This MAb is highly specific to cytokeratin 7 and shows no cross-reaction with other IFPs. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia. Keratin 7 is expressed in the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. This MAb is highly useful in distinguishing ovarian carcinomas (keratin 7+) from colon carcinomas (keratin 7-).

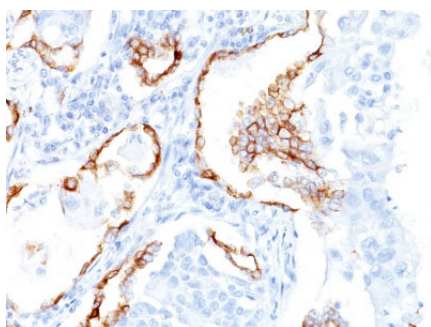
## References

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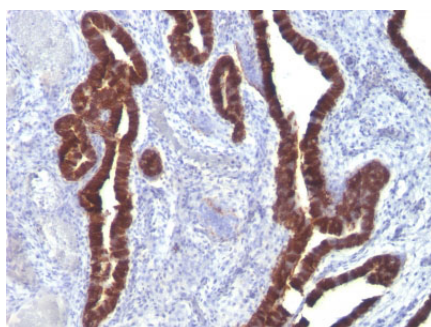
Ramaekers F, van Niekerc C, Poels L, Schaafsma E, Huijsmans A, Robben H, et al. Use of monoclonal antibodies to keratin 7 in the differential diagnosis of adenocarcinomas. *Am J Pathol* 1990;136:641-5

## Images

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Formalin-fixed, paraffin-embedded human Lung SCC stained with Cytokeratin 7 Monoclonal Antibody (K72.7)



Formalin-fixed, paraffin-embedded Ovarian Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (K72.7)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.