

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

Mouse Monoclonal Antibody [Clone KRT7/760 + KRT7/903]
Catalog # AH11653

Specification**Cytokeratin 7 (KRT7) (Glandular and Transitional Epithelial Marker) Antibody - With BSA and Azide - Product Information**

Application	IHC, IF, FC
Primary Accession	P08729
Other Accession	3855 , 411501
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG's
Calculated MW	55kDa KDa

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

Gene ID 3855

Other Names

Keratin, type II cytoskeletal 7, Cytokeratin-7, CK-7, Keratin-7, K7, Sarcolectin, Type-II keratin Kb7, KRT7, SCL

Application Note

IHC~~1:100~500
IF~~1:50~200
FC~~1:10~50

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

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.

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

Name KRT7

Synonyms SCL

Function

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).

Cellular Location

Cytoplasm.

Tissue Location

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.

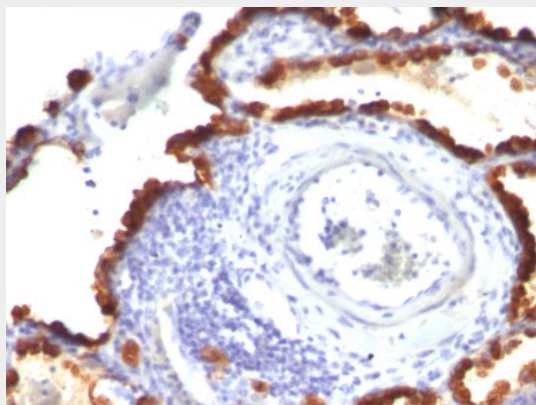
Cytokeratin 7 (KRT7) (Glandular and Transitional Epithelial Marker) Antibody - With BSA and Azide - Protocols

Provided below are standard protocols that you may find useful for product applications.

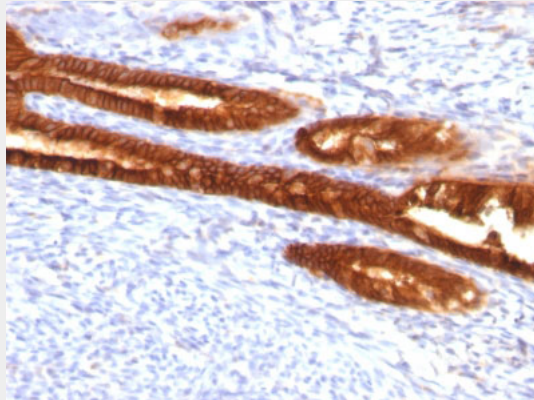
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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

Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760 + KRT7/903)



Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760 + KRT7/903)



Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with Cytokeratin 7 Monoclonal Antibody (KRT7/760 + KRT7/903)

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

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-).

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

Ramaekers F, van Niekerk 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