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

Mouse Monoclonal Antibody [Clone KRT7/903]
Catalog # AH11647

Product Information

Application	IHC, IF, FC
Primary Accession	P08729
Other Accession	3855, 411501
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1
Clone Names	KRT7/903
Calculated MW	51386

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.

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.

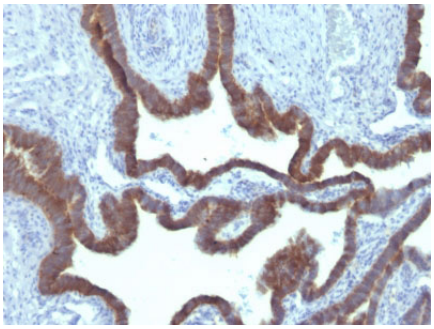
Background

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. Antibody to cytokeratin is useful in distinguishing ovarian carcinomas (keratin 7+) from colon carcinomas (keratin 7-).

References

Fuchs, E. 1995. Keratins and the skin. Annu. Rev. Cell Dev. Biol. 11:123-153. |

Images



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