

Mouse anti-Human Cytokeratin 5 (KRT5) Monoclonal Antibody | anti-KRT5 antibody

Cytokeratin 5 (KRT5) (Basal, Myoepithelial & Mesothelial Cell Marker)

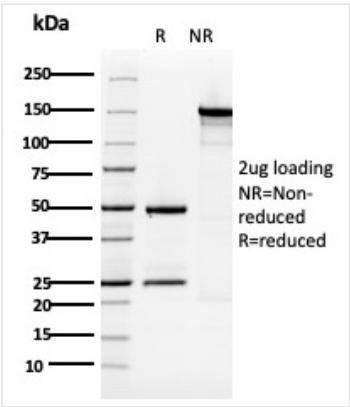
CATALOG # AAA215058	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

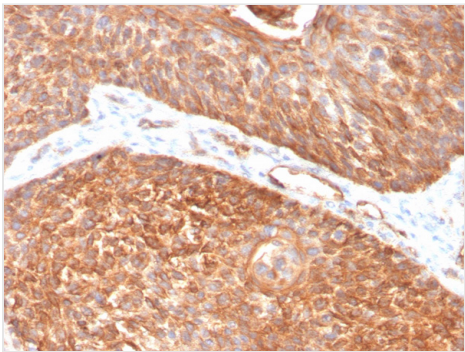
Cytokeratin 5 (KRT5); Monoclonal Antibody; Cytokeratin 5 (KRT5) (Basal; Myoepithelial & Mesothelial Cell Marker); 58kDa Cytokeratin; DDD1; Epidermolysis Bullosa Simplex 2 (EBS2); Keratin 5; Keratin; Type II Cytoskeletal 5; Keratin-5; Type-II Cytoskeletal 5; Type-II keratin Kb5; anti-KRT5 antibody

PRODUCT SPECIFICATIONS

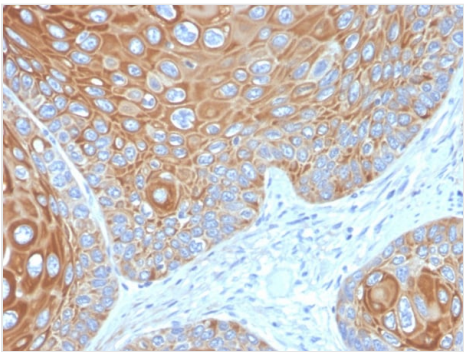
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	KRT5/3594
Specificity	This MAb recognizes a protein of 58kDa, which is identified as Cytokeratin 5 (KRT5). This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. Antibodies to KRT5 identify basal cells of squamous and glandular epithelia, myoepithelia, and mesothelium. Anti-cytokeratin 5 has been reported useful in the differential metastatic carcinoma in the pleura versus epithelioid mesothelioma. Almost all squamous cell carcinomas, half of transitional carcinomas, and many undifferentiated large cell carcinomas express. Anti-KRT5, along with anti-p63, affords a high sensitivity and specificity for squamous differentiation. Myoepithelial cells of the breast, glandular epithelia, and basal cells of the prostate are labeled with anti-KRT5.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	590
Applicable Applications for anti-KRT5 antibody	IHC (Immunohistochemistry)
Positive Control	MCF-7 or HeLa cells. Human tonsil, esophagus or bladder tissue (IHC).
Immunogen	Recombinant fragment (around aa 316-590) of human Cytokeratin 5 (KRT5) protein (exact sequence is proprietary)
Cellular Localization	Cytoplasmic
Hu-chromosome Location	12q13.13
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



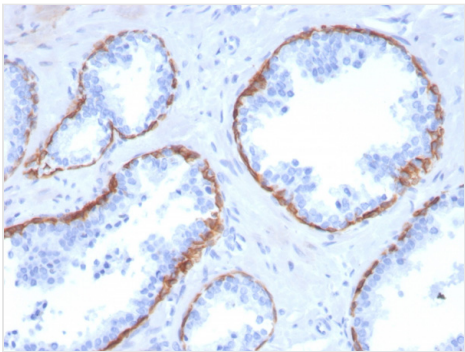
SDS-PAGE
SDS-PAGE Analysis Purified Cytokeratin 5 Mouse Monoclonal Antibody (KRT5/3594).
Confirmation of Purity and Integrity of Antibody



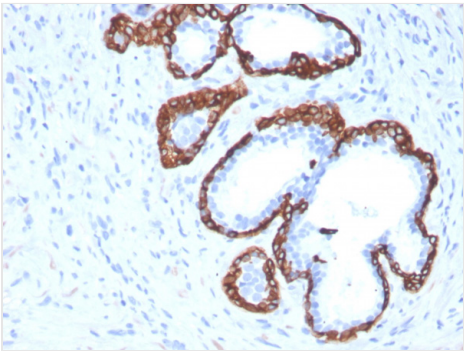
IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Pancreas stained with Cytokeratin 5 Mouse Monoclonal Antibody (KRT5/3594).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Cytokeratin 5 Mouse Monoclonal Antibody (KRT5/3594).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 5 Mouse Monoclonal Antibody (KRT5/3594).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 5 Mouse Monoclonal Antibody (KRT5/3594).

ADDITIONAL INFORMATION

References	Ordenez NG. Human Pathology. 2007; 38:1-16.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119395754
NCBI GeneID	3852
NCBI Accession #	NP_000415.2

NCBI GenBank Nucleotide #	NP_000415.2
UniProt Accession #	P13647
Molecular Weight	58kDa
NCBI Official Full Name	keratin, type II cytoskeletal 5
NCBI Official Synonym Full Names	keratin 5
NCBI Official Symbol	KRT5
NCBI Official Synonym Symbols	K5; CK5; DDD; DDD1; EBS2; KRT5A
NCBI Protein Information	keratin, type II cytoskeletal 5
UniProt Protein Name	Keratin, type II cytoskeletal 5
UniProt Gene Name	KRT5
UniProt Synonym Gene Names	CK-5; K5
UniProt Entry Name	K2C5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cytokeratin-5-krt5-antibody-clone-krt5-3594-immunohistochemistry-elisa/215058>