

Mouse Cytokeratin 15 Monoclonal Antibody | anti-KRT15 antibody

Cytokeratin 15 (Esophageal Squamous Cell Carcinoma Marker)

CATALOG # AAA214768	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Cytokeratin 15; Monoclonal Antibody; Cytokeratin 15 (Esophageal Squamous Cell Carcinoma Marker); CK15; K1CO; Ka15; Keratin 15 basic; Keratin 15 beta; Keratin complex 1 acidic gene 15; Keratin type I cytoskeletal 15; KRT15; KRTB; KRTL15; Type I cytoskeletal 15; Type I keratin Ka15; anti-KRT15 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	KRT15/2554
Specificity	Keratin 15 is a type I keratin which is expressed only in basal keratinocytes in stratified epithelia and does not appear to have a natural type II expression partner. Keratin 15 is down regulated in activated keratinocytes. Cytokeratin 15 is a specific marker of stem cells of the hair-follicle bulge and may be a useful marker for between basal cell carcinoma (BCC) and trichoepithelioma. Trichoblastoma are benign neoplasms of follicular differentiation frequently found in nevus sebaceous. Many morphologic features are shared with nodular basal cell carcinoma, sometimes rendering a difficult. Trichoblastoma and BCC show variable expression of Cytokeratin 15 and Cytokeratin 19, and absence of hair keratins.
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	251
Applicable Applications for anti-KRT15 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human KRT15 protein
Positive Control	HeLa or A431 Cells. Skin or Colon.
Cellular Localization	Cytoplasmic
Chromosome Location	17q21.2
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.

IMAGES



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Cytokeratin 15 Mouse Monoclonal Antibody (KRT15/2554). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS_PAGE

SDS-PAGE Analysis Purified Cytokeratin 15 Mouse Monoclonal Antibody (KRT15/2554). Confirmation of Purity and Integrity.



IHC (Immunohistochemisry)

Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with Cytokeratin 15 Mouse Monoclonal Antibody (KRT15/2554).



IHC (Immunohiostchemistry)

Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with Cytokeratin 15 Mouse Monoclonal Antibody (KRT15/2554).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 15 Mouse Monoclonal Antibody (KRT15/2554).

ADDITIONAL INFORMATION

References	Yu-Hong Shen, et al. Asian Pac J Cancer Prev, 17 (9), 4217-4222.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24430190
NCBI GeneID	3866
NCBI Accession #	NP_002266.2
NCBI GenBank Nucleotide #	NM_002275.3
UniProt Accession #	P19012; Q53XV8; Q9BUG4; B3KQY1; B3KRA2; E0CX14
Molecular Weight	52kDa
NCBI Official Full Name	keratin, type I cytoskeletal 15
NCBI Official Synonym Full Names	keratin 15
NCBI Official Symbol	KRT15
NCBI Official Synonym Symbols	K15; CK15; K1CO
NCBI Protein Information	keratin, type I cytoskeletal 15
UniProt Protein Name	Keratin, type I cytoskeletal 15

UniProt Gene Name	KRT15
UniProt Synonym Gene Names	KRTB; CK-15; K15

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-15-antibody-clone-krt15-2554-immunohistochemistry-elisa/214768>