

Mouse Cytokeratin 6A (KRT6A) Monoclonal Antibody | anti-KRT6A antibody

Cytokeratin 6A (KRT6A) (Basal Cell Marker)

CATALOG # AAA214661	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Cytokeratin 6A (KRT6A); Monoclonal Antibody; Cytokeratin 6A (KRT6A) (Basal Cell Marker); 58kDa Cytokeratin; CK5; Cytokeratin-5; DDD1; Epidermolysis Bullosa Simplex 2 (EBS2); Keratin 5; Keratin; Type II Cytoskeletal 5; Keratin-5; KRT5; Type-II Cytoskeletal 5; Type-II keratin Kb5; anti-KRT6A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	KRT6A/2368
Specificity	This MAb recognizes a protein of 56kDa, identified as cytokeratin 6A (KRT6A). In humans, multiple isoforms of Cytokeratin 6 (6A-6F), encoded by several highly homologous genes, have distinct tissue expression patterns. Cytokeratin 6A is the dominant form in epithelial tissue. Cytokeratin 6 and 16 are expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyper-proliferation-related keratins). Cytokeratin 6 is found in hair follicles, suprabasal cells of a variety of internal stratified epithelia, in epidermis, in both normal and hyper-proliferative situations. Epidermal injury results in activation of keratinocytes, which express KRT6 and KRT16. KRT6 is strongly expressed in about 75% of head and neck squamous cell carcinomas..
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	564
Applicable Applications for anti-KRT6A antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human Cytokeratin 6A (KRT6A) protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	12q13.13
Positive Control	Tonsil or Basal Cell Carcinoma (BCC)

IMAGES



Application Data

Analysis of Protein Array containing more than 19, 000 full-length human proteins using Cytokeratin 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368). 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 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368). Confirmation of Integrity and Purity of Antibody



IHC (Immunohistochemisry)

Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368).



IHC (Immunohiostchemistry)

Formalin-fixed, paraffin-embedded human Basal Cell stained with Cytokeratin 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with Cytokeratin 6A (KRT6A) Mouse Monoclonal Antibody (KRT6A/2368).

ADDITIONAL INFORMATION

References	Stephens, K., et al. 1995. Epidermolysis bullosa simplex: a keratin 5 mutation is a fully dominant allele in epidermal cytoskeleton function. Am. J. Hum. Genet. 56: 577-585.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031839
NCBI GeneID	3853
NCBI Accession #	NP_005545.1
NCBI GenBank Nucleotide #	NM_005554.3
UniProt Accession #	P02538; P48667; Q08AR4; Q6NT67; Q96CL4; A4QPC1; P48668
Molecular Weight	56kDa
NCBI Official Full Name	keratin, type II cytoskeletal 6C
NCBI Official Synonym Full Names	keratin 6A
NCBI Official Symbol	KRT6A
NCBI Official Synonym Symbols	K6A; K6C; K6D; PC3; CK6A; CK6C; CK6D; CK-6C; CK-6E; KRT6C; KRT6D
NCBI Protein Information	keratin, type II cytoskeletal 6C
UniProt Protein Name	Keratin, type II cytoskeletal 6A

UniProt Gene Name	KRT6A
UniProt Synonym Gene Names	K6A; KRT6D; CK-6A; CK-6D; K6A

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-6a-krt6a-antibody-clone-krt6a-2368-immunohistochemistry-elisa/214661>