Mouse anti-Human Cytokeratin 14 (KRT14) Monoclonal Antibody | anti-KRT14 antibody

Cytokeratin 14 (KRT14) (Squamous Cell Marker) Mouse Monoclonal Antibody [Clone KRT14/4133]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215769	**Mouse**	**Human**	**Immunohistochemistry**

PRODUCT SYNONYMS

Cytokeratin 14 (KRT14); Monoclonal Antibody; Cytokeratin 14 (KRT14) (Squamous Cell Marker) Mouse Monoclonal Antibody [Clone KRT14/4133]; Cytokeratin 14 (KRT14) (Squamous Cell Marker); CK-14; Dowling Meara; ebs3; ebs4; Epidermolysis Bullosa Simplex; Keratin Type I Cytoskeletal 14; Koebner; NFJ; anti-KRT14 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b, kappa
Clone Number	KRT14/4133
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.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-KRT14 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment (around aa351-472) of human KRT14 protein (exact sequence is proprietary)
Cellular Localization	Cytoplasmic
Positive Control	Human skin or squamous cell carcinoma tissue.
Hu-chromosome Location	17q21.2
Unigene	6545380
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

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human prostate stained with Cytokeratin 14 Mouse Monoclonal Antibody (KRT14/4133).

ADDITIONAL INFORMATION

Related Product Information for anti-KRT14 antibody	Cytokeratin 14 (CK14) belongs to the type I (or A or acidic) subfamily of low molecular weight keratins and exists in combination with keratin 5 (type II or B or basic). CK14 is found in basal cells of squamous epithelia, some glandular epithelia, myoepithelium, and mesothelial cells. Anti-CK14 is useful in differentiating squamous cell carcinomas from poorly differentiated epithelial tumors. Anti-CK14 is one of the specific basal markers for distinguishing between basal and non-basal subtypes of breast carcinomas. Anti-CK14 is also a good marker for differentiation of intraductal from invasive salivary duct carcinoma by the positive staining of basal cells surrounding the in-situ neoplasm as well as for differentiation of benign prostate from prostate carcinoma. Furthermore, this antibody has been useful in separating oncocytic tumors of the kidney from its renal mimics, and in identifying metaplastic carcinomas of the breast.

NCBI AND UNIPROT INFORMATION

NCBI GI #	229463044
NCBI GeneID	3861
UniProt Accession #	P02533; Q14715; Q53XY3; Q9BUE3; Q9UBN2; Q9UBN3; Q9UCY4
Molecular Weight	472
NCBI Official Full Name	Keratin, type I cytoskeletal 14
NCBI Official Synonym Full Names	keratin 14
NCBI Official Symbol	KRT14
NCBI Official Synonym Symbols	K14; NFJ; CK14; EBS3; EBS4
NCBI Protein Information	keratin, type I cytoskeletal 14; CK-14; keratin-14; cytokeratin 14; cytokeratin-14; keratin 14 (epidermolysis bullosa simplex, Dowling-Meara, Koebner)
UniProt Protein Name	Keratin, type I cytoskeletal 14
UniProt Gene Name	**KRT14**
UniProt Synonym Gene Names	CK-14; K14
UniProt Entry Name	K1C14_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-14-krt14-antibody-clone-krt14-4133-immunohistochemistry-elisa/215769