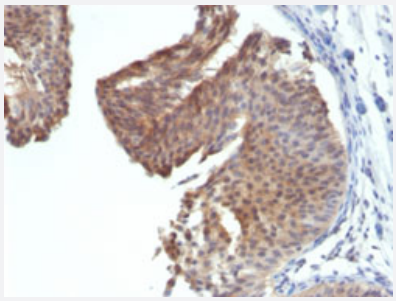
KRT6 monoclonal antibody, clone KRT6/1702

Catalog # MAB14830 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human bladder carcinoma with KRT6 monoclonal antibody, clone KRT6/1702 (Cat # MAB14830).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human KRT6.
Immunogen	Recombinant protein corresponding to full length human KRT6.
Host	Mouse
Theoretical MW (kDa)	56
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.1-0.2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.

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Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human bladder carcinoma with KRT6 monoclonal antibody, clone KRT6/1702 (Cat # MAB14830).

- Immunofluorescence

- Flow Cytometry

Gene Info — KRT6A

Entrez GeneID	3853
Protein Accession#	P02538;P04259;P48668
Gene Name	KRT6A
Gene Alias	CK6A, CK6C, CK6D, K6A, K6C, K6D, KRT6C, KRT6D
Gene Description	keratin 6A
Omim ID	148041 167200
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coex pressed during differentiation of simple and stratified epithelial tissues. As many as six of this typ e II cytokeratin (KRT6) have been identified; the multiplicity of the genes is attributed to successiv e gene duplication events. The genes are expressed with family members KRT16 and/or KRT17 i n the filiform papillae of the tongue, the stratified epithelial lining of oral mucosa and esophagus, t he outer root sheath of hair follicles, and the glandular epithelia. This KRT6 gene in particular enco des the most abundant isoform. Mutations in these genes have been associated with pachyonychi a congenita. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provid ed by RefSeq
Other Designations	56 cytoskeletal type II keratin|K6D keratin|cytokeratin 6A|cytokeratin 6C|cytokeratin 6D|keratin 6C| keratin, epidermal type II, K6A|keratin, epidermal type II, K6C|keratin, type II cytoskeletal 6D|type II keratin isoform K6c

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Gene Info — KRT6B

Entrez GeneID	3854
Protein Accession#	P02538;P04259;P48668
Gene Name	KRT6B
Gene Alias	CK6B, K6B, KRTL1, PC2
Gene Description	keratin 6B
Omim ID	148042 167210
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coex pressed during differentiation of simple and stratified epithelial tissues. As many as six of this typ e II cytokeratin (KRT6) have been identified; the multiplicity of the genes is attributed to successiv e gene duplication events. The genes are expressed with family members KRT16 and/or KRT17 i n the filiform papillae of the tongue, the stratified epithelial lining of oral mucosa and esophagus, t he outer root sheath of hair follicles, and the glandular epithelia. Mutations in these genes have be en associated with pachyonychia congenita. The type II cytokeratins are clustered in a region of c hromosome 12q12-q13. [provided by RefSeq
Other Designations	cytokeratin 6B|keratin, epidermal, type II, K6B|keratin, type II cytoskeletal 6B|keratin-like 1 (a type I I keratin sequence)

Gene Info — KRT6C

Entrez GeneID	286887
Protein Accession#	P02538;P04259;P48668
Gene Name	KRT6C
Gene Alias	K6E, KRT6E, MGC102925, MGC163455, MGC163457
Gene Description	keratin 6C
Gene Ontology	Hyperlink
Gene Summary	Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. The type II keratins are clustered in a region of chromosome 12q13. [provided by RefSeq
Other Designations	keratin 6E

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Publication Reference

- Basal cell-specific and hyperproliferation-related keratins in human breast cancer.

  Wetzels RH, Kuijpers HJ, Lane EB, Leigh IM, Troyanovsky SM, Holland R, van Haelst UJ, Ramaekers FC.

  The American Journal of Pathology 1991 Mar; 138(3):751.

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