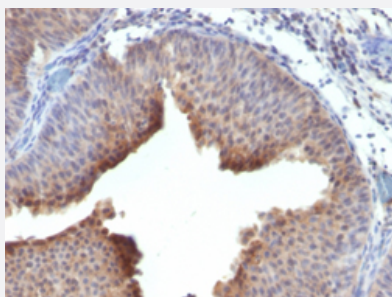


KRT6 monoclonal antibody, clone LHK6

Catalog # MAB21271 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 LHK6 (Cat # MAB21271).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human KRT6.
Immunogen	A synthetic peptide corresponding to C-terminus of human KRT6.
Sequence	GSSTIKYTTTS
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 in 0.1 mL) 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 (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human bladder carcinoma with KRT6 monoclonal antibody, clone LHK6 (Cat # MAB21271).

- 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	<p>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 coexpressed during differentiation of simple and stratified epithelial tissues. As many as six of this type II cytokeratin (KRT6) have been identified; the multiplicity of the genes is attributed to successive gene duplication events. The genes are expressed with family members KRT16 and/or KRT17 in the filiform papillae of the tongue, the stratified epithelial lining of oral mucosa and esophagus, the outer root sheath of hair follicles, and the glandular epithelia. This KRT6 gene in particular encodes the most abundant isoform. Mutations in these genes have been associated with pachyonychia congenita. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq]</p>
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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

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 coexpressed during differentiation of simple and stratified epithelial tissues. As many as six of this type II cytokeratin (KRT6) have been identified; the multiplicity of the genes is attributed to successive gene duplication events. The genes are expressed with family members KRT16 and/or KRT17 in the filiform papillae of the tongue, the stratified epithelial lining of oral mucosa and esophagus, the outer root sheath of hair follicles, and the glandular epithelia. Mutations in these genes have been associated with pachyonychia congenita. The type II cytokeratins are clustered in a region of chromosome 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 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