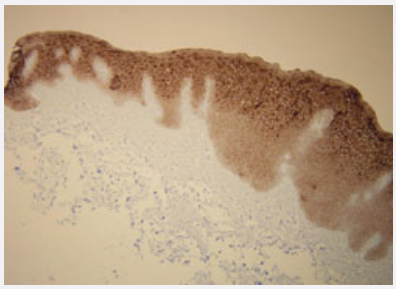
KRT5/KRT6A monoclonal antibody, clone T16-K

Catalog # MAB15966 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human epidermis with KRT5/KRT6A monoclonal antibody, clone T16-K (Cat # MAB15966).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human KRT5/KRT6A.
Immunogen	A synthetic peptide corresponding to amino acids 548-564 at C-terminus of human cytokeratin 6.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	EVAC purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (20 mg/mL BSA, 0.05% Sodium Azide).
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human epidermis with KRT5/KRT6A monoclonal antibody, clone T16-K (Cat # MAB15966).

Gene Info — KRT5

Entrez GeneID	3852
Protein Accession#	P13647;P02538
Gene Name	KRT5
Gene Alias	CK5, DDD, EBS2, K5, KRT5A
Gene Description	keratin 5
Omim ID	131800 131960 148040 179850
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. This type II cytokeratin is s pecifically expressed in the basal layer of the epidermis with family member KRT14. Mutations in t hese genes have been associated with a complex of diseases termed epidermolysis bullosa sim plex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by R efSeq
Other Designations	58 kda cytokeratin|epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne typ es|keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)|ker atin, type II cytoskeletal 5

Gene Info — KRT6A

Entrez GeneID	3853
Protein Accession#	P13647;P02538
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

Disease

- Brain Ischemia
- Carcinoma
- Cardiovascular Diseases
- Coronary Artery Disease
- Coronary Disease
- Genetic Predisposition to Disease
- Melanoma
- Myocardial Infarction
- Skin Neoplasms
- Stroke