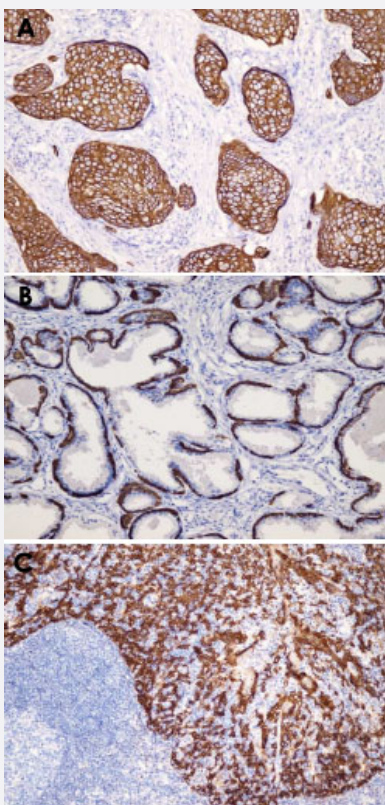


KRT14 monoclonal antibody, clone D19-N

Catalog # MAB9766

Size 100 uL

Applications



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

Formalin-fixed and paraffin-embedded human skin squamous cell carcinoma (A, 4 μ m), prostate hyperplasia (B, 4 μ m), and human tonsil tissue (C, 4 μ m) stained with KRT14 monoclonal antibody, clone D19-N (Cat # MAB9766) shows strong positive cytoplasmic immunostaining of the neoplastic cells (A), strong positive cytoplasmic immunostaining in the basal cells of the normal and benign glands (B), and positive cytoplasmic immunostaining of the squamous epithelial cells (C).

Kindly performed and provided by Katarina Poliakova, MD and L'ubomir Straka, MD, Ph. D. from Clinical Pathology Presov, Ltd., Presov, Slovak republic.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of KRT14.
Immunogen	A synthetic peptide corresponding to C-terminus of human KRT14.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid

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, pH 8.0 (20 mg/mL 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)

Formalin-fixed and paraffin-embedded human skin squamous cell carcinoma (A, 4 µm), prostate hyperplasia (B, 4 µm), and human tonsil tissue (C, 4 µm) stained with KRT14 monoclonal antibody, clone D19-N (Cat # MAB9766) shows strong positive cytoplasmic immunostaining of the neoplastic cells (A), strong positive cytoplasmic immunostaining in the basal cells of the normal and benign glands (B), and positive cytoplasmic immunostaining of the squamous epithelial cells (C). Kindly performed and provided by Katarina Poliakova, MD and L'ubomir Straka, MD, Ph. D. from Clinical Pathology Presov, Ltd., Presov, Slovak republic.

- Immunohistochemistry (Frozen sections)

Gene Info — KRT14

Entrez GeneID	3861
Protein Accession#	P02533
Gene Name	KRT14
Gene Alias	CK14, EBS3, EBS4, K14, NFJ
Gene Description	keratin 14
Omim ID	125595 131800 148066 161000 601001
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the keratin family, the most diverse group of intermediate filaments. This gene product, a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex. At least one pseudogene has been identified at 17p12-p11. [provided by RefSeq]
Other Designations	cytokeratin 14 keratin 14 (epidermolysis bullosa simplex, Dowling-Meara, Koebner)

Publication Reference

- [Endoscopic cell sheet transplantation device developed by using a 3-dimensional printer and its feasibility evaluation in a porcine model.](#)

Maeda M, Kanai N, Kobayashi S, Hosoi T, Takagi R, Ohki T, Muragaki Y, Yamato M, Eguchi S, Fukai F, Okano T.

Gastrointestinal Endoscopy 2015 Jul; 82(1):147.

Application: IHC, Pig, Epidermal keratinocytes

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)