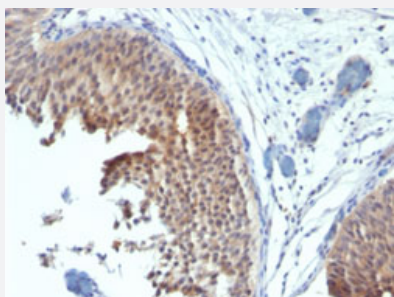


# KRT6 monoclonal antibody, clone SPM269

Catalog # MAB15201      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 SPM269 (Cat # MAB15201).

## Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human KRT6.
Immunogen	A synthetic peptide corresponding to 11 residues at 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 <sup>6</sup> 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.

**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 SPM269 (Cat # MAB15201).

- 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 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]

**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

## 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.