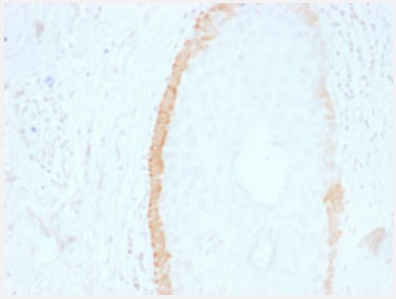
KRT15 monoclonal antibody, clone SPM190

Catalog # MAB14835 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with KRT15 monoclonal antibody, clone SPM190 (Cat # MAB14835).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human KRT15.
Immunogen	A synthetic peptide corresponding to 17 residues at C-terminus of human KRT15.
Host	Mouse
Theoretical MW (kDa)	52
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) Immunohistochemistry (Frozen sections) (0.5-1 ug/mL) Western Blotting (0.5-1 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

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with KRT15 monoclonal antibody, clone SPM190 (Cat # MAB14835).
- Immunohistochemistry (Frozen sections)
- Immunofluorescence
- Flow Cytometry

Gene Info — KRT15

Entrez GeneID	3866
Protein Accession#	P19012
Gene Name	KRT15
Gene Alias	CK15, K15, K1CO
Gene Description	keratin 15
Omim ID	148030
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the keratin gene family. The keratins are interm ediate filament proteins responsible for the structural integrity of epithelial cells and are subdivide d into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins whic h are arranged in pairs of heterotypic keratin chains and are clustered in a region on chromosom e 17q21.2. [provided by RefSeq
Other Designations	OTTHUMP00000165060|cytokeratin 15|keratin-15, basic|keratin-15, beta|type I cytoskeletal 15

Publication Reference

- Differential expression of stem-cell-associated markers in human hair follicle epithelial cells.

  Inoue K, Aoi N, Sato T, Yamauchi Y, Suga H, Eto H, Kato H, Araki J, Yoshimura K.

  Laboratory Investigation 2009 Aug; 89(8):844.

- K15 expression implies lateral differentiation within stratified epithelial basal cells.

  Porter RM, Lunny DP, Ogden PH, Morley SM, McLean WH, Evans A, Harrison DL, Rugg EL, Lane EB.

  Laboratory Investigation 2000 Nov; 80(11):1701.

- Keratin 15 expression in stratified epithelia: downregulation in activated keratinocytes.

  Waseem A, Dogan B, Tidman N, Alam Y, Purkis P, Jackson S, Lalli A, Machesney M, Leigh IM.

  The Journal of Investigative Dermatology 1999 Mar; 112(3):362.