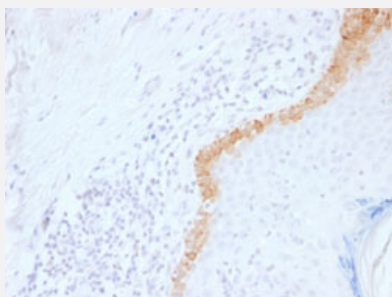


KRT15 monoclonal antibody, clone LHK15

Catalog # MAB14834 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 LHK15 (Cat # MAB14834).

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	<p>Flow Cytometry (0.5-1 ug/10⁶ cells)</p> <p>Immunofluorescence (1-2 ug/mL)</p> <p>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL)</p> <p>Immunohistochemistry (Frozen sections) (0.5-1 ug/mL)</p> <p>Western Blotting (0.5-1 ug/mL)</p> <p>The optimal working dilution should be determined by the end user.</p>

Storage Buffer	In 10 mM PBS.
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Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.
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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 LHK15 (Cat # MAB14834).
- Immunohistochemistry (Frozen sections)
- Immunofluorescence
- Flow Cytometry

Gene Info — KRT15

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

Application: IHC, Flow Cyt, Human, Hair follicles, Epithelial cells

- [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.

Application: IF, WB-Ce, Human, HaCaT cells, Hair follicle

- [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.

Application: IF, WB-Ce, Human, A431, MCF-7, TR146, HaCaT cells, Keratinocytes