

Anti-Keratin5 & 14 [LH8]

Catalogue number: 151116

Sub-type: Primary antibody

Images: https://res.cloudinary.com/ximbio/image/upload/c_fit/90eb5957-8407-4f5c-ae2d-07e6da95bd00.jpg

Contributor

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Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Keratin5 & 14 [LH8]

Alternate name: BCIE, BIE, EHK, Keratin Type I Cytoskeletal 1, KRT1Human Entrez Gene ID 3858 Human SwissProt P13645 Human Unigene 99936 Human Gene Symbol KRT1Human Chromosome Location 17q21.2

Class: Monoclonal

Conjugate: Unconjugated

Description: LH8 may be useful as a basal cell marker and myoepithelial marker in stratified squamous or mixed epithelia.

Purpose: Marker

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgM

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: The 50,000 Mr band (including K14) was cut from an SDS-polyacrylamide gel and Triton X-100 extracted cytoskeleton pellet from cultured human foreskin keratinocytes.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Extract of skin from psoriasis patient

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Keratin 5 & 14

Target alternate names:

Target background: Keratins are a family of intermediate filament proteins that assemble into filaments through forming heterodimers of one type I keratin (keratins 9 to 23) and one type II keratin (keratins 1 to 8). Keratins demonstrate tissue and differentiation specific expression profiles. Keratins 5 and 14 are the predominant keratins in basal layer keratinocytes in stratified epithelia. Their expression is restricted to basal cells and are found on all keratinocytes. Keratin 14 is one of two keratins that distinguish stratifying epithelial cell types from simple epithelial cell types. Mutations in keratin 5 or 14 cause the skin blistering disorder epidermolysis bullosa simplex.

Molecular weight: 56.5kDa

Ic50:

Applications

Application: IHC ; IHC ; IF

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Lehman et al. 2015. Am J Pathol. 185(1):240-51. PMID: 25529795. ; Barrott et al. 2011. Proc Natl Acad Sci U S A. 108(31):12752-7. PMID: 21768372. ; Deletion of mouse Porcn blocks Wnt ligand secretion and reveals an ectodermal etiology of human focal dermal hypoplasia/Goltz syndrome. ; Porter et al. 2000. Lab Invest. 80(11):1701-10. PMID: 11092530. ; K15 expression implies lateral differentiation within stratified epithelial basal cells. ; Reichelt et al. 1997. J Cell Sci. 110 (Pt 18):2175-86. PMID: 9378767. ; Out of balance: consequences of a partial keratin 10 knockout. ; Markey et al. 1991. J Invest Dermatol. 97(5):763-70. PMID: 1717607. ; Expression of simple epithelial keratins 8 and 18 in epidermal neoplasia. ; Broekaert et al. 1990. Arch Dermatol Res. 282(6):383-91. PMID: 1701984. ; An investigation of cytokeratin expression in skin epithelial cysts and some uncommon types of cystic tumours using chain-specific antibodies.

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