

Anti-Keratin16 [LL025]

Catalogue number: 151123

Sub-type: Primary antibody

Images:

Contributor

Inventor: Irene Leigh

Institute: Queen Mary University of London

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Keratin16 [LL025]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody used to detect keratin 16 mutations within epithelial tissues.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: A synthetic peptide corresponding to an amino acid sequence of the carboxyl terminus of human keratin 16.

Immunogen UNIPROT ID: P08779

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Keratin 16

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. Keratin 16 is expressed in suprabasal keratinocytes of wounded epidermis. Keratin 16 suprabasal expression is found in situations of high cell turnover. Mutations in the gene encoding keratin16 are associated with the genetic skin disorders including pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar verrucous nevus. LL025 reactivity was completely negative in normal breast tissue and non-invasive breast carcinoma. However, 10% of the invasive carcinomas tested were diffusely or focally positive with this antibody.

Molecular weight:

Ic50:

Applications

Application: IHC ; IF ; IP ; WB

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: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Hughes et al. 1996. Br J Dermatol. 134(2):247-56. PMID: 8746337. ; Keratin expression in pilosebaceous epithelia in truncal skin of acne patients. ; Markey et al. 1992. Br J Dermatol. 126(2):154-60. PMID: 1371396. ; Keratin expression in basal cell carcinomas.

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