

36-1363: Monoclonal Antibody to Cytokeratin 10 (KRT10) (Suprabasal Epithelial Marker)(Clone : LH2)

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| Clonality : | Monoclonal |
| Clone Name : | LH2 |
| Application : | WB,IHC |
| Reactivity : | Human, Mouse |
| Gene : | KRT10 |
| Gene ID : | 3858 |
| Uniprot ID : | P13645 |
| Format : | Purified |
| Alternative Name : | KRT10,KPP |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Skin extract of a human Psoriasis patient |

Description

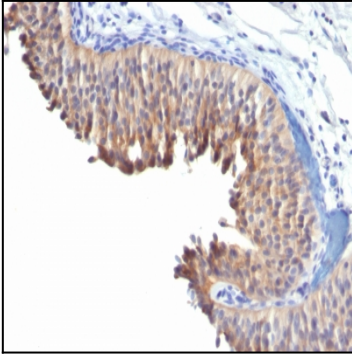
This MAb recognizes a protein of 56.5kDa, identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the epidermis. In the epidermis, expression of CK10 strictly parallels the extent of differentiation; it is absent in the basal layer, appears in the first suprabasal layers and increases in concentration towards the granular layer. However, CK10 is rarely detected in early stages of vulvar squamous carcinomas (tumors less than 2 cm, clinical stage I) regardless of the tumor grade. In larger and more advanced tumors (greater than 2 cm, clinical stages II and III), CK10 is detected very frequently. Expression of CK10 is related to maturation of malignant keratinocytes, being preferentially detected in more-differentiated parts.

Product Info

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| Amount : | 100 µg |
| Purification : | Affinity Chromatography |
| Content : | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Cytokeratin 10 Monoclonal Antibody (LH2).