

Monoclonal Mouse Antibody to Cytokeratin 10

Description:

Immunogen:	Cytoskeletal preparation extracted from human ectocervical epithelium.
Clone:	DE-K10.
Isotype:	IgG ₁ .
Format:	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-embedded and frozen tissue sections. No further titration is required.
Specificity:	This antibody recognizes a 56.5 kD protein identified as cytokeratin 10 (CK10). CK10 is expressed in all suprabasal layers of the skin. 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. CK10 is frequently detected in vulvar squamous carcinomas larger than 2 cm and clinical stages II and III. CK10 expression is also related to maturation of malignant keratinocytes.

Uses/Limitations:

Immunohistochemistry
For Research Use Only.
Do not use past expiration date.

Storage:

2-8° Centigrade.

Procedure:

We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.

Precautions:

Contains Sodium Azide as a preservative.
Do not pipette by mouth.

References:

- i) Ivanyi et al. J of Pathology 159: 7-12, 1989.
- ii) Ivanyi et al. Differentiation 42(2): 124-9, 1989.