Anti-Cytokeratin 16 Mouse Monoclonal Antibody

Catalog No.	Size
E010140-01	50µl
E010140-02	100µl

Product Name	Anti-Cytokeratin 16 Mouse Monoclonal Antibody
Product type	Primary Antibody
Application	WB IHC IF
Description	Mouse Monoclonal to Cytokeratin 16 antibody
Immunogen	A synthetic peptide conjugated to KLH
Specificity	Human Mouse Rat

Background Information

CK 16 is expressed in keratinocytes, which are undergoing rapid turnover in the suprabasal region (also known as hyperproliferation-related keratins). Keratin 16 is absent in normal breast tissue and in noninvasive breast carcinomas. Only 10% of the invasive breast carcinomas show diffuse or focal positivity. Reportedly, a relatively high concordance was found between the carcinomas immunostaining with the basal cell and the hyperproliferation-related keratins, but not between these markers and the proliferation marker Ki-67. This supports the conclusion that basal cells in breast cancer may show extensive proliferation, and that absence of Ki-67 staining does not mean that (tumor) cells are not proliferating.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Suggested starting dilutions are as follows: Western blot (1:1000-1:5,000), Immunofluorescence and Immunocytochemistry (1:200-1:800).

Host

Mouse

Clonality

Storage Buffer

1mg/ml in PBS, pH 7.4 with 0.02% sodium azide, 50% Glycerol.

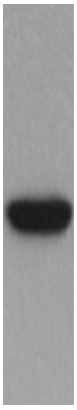
Form

Liquid, 1mg/ml

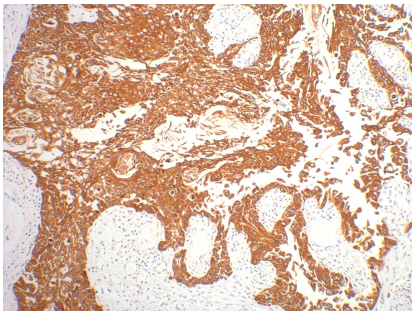
Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



Western blot analysis of HaCat cell lysate with CK16 mouse mAb diluted at 1:5000



1:200 dilution staining CK16 by immunohistochemistry on paraffin-embedded human gullet cancer tissue.