

## 12-1152: Anti-Cytokeratin 10 (Suprabasal Epithelial Marker) Recombinant Mouse Monoclonal Antibody (Clone:rKRT10/1275)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	rKRT10/1275
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	KRT10
<b>Gene ID :</b>	3858
<b>Uniprot ID :</b>	P13645
<b>Format :</b>	Purified
<b>Alternative Name :</b>	BCIE, BIE, EHK, Keratin Type I Cytoskeletal 10, KRT10
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Recombinant full-length human KRT10 protein

### 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

<b>Amount :</b>	20 µg / 100 µg
<b>Purification :</b>	Protein A/G
<b>Content :</b>	200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Immunohistochemistry (Formalin-fixed) (0.1-0.2 µg/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);

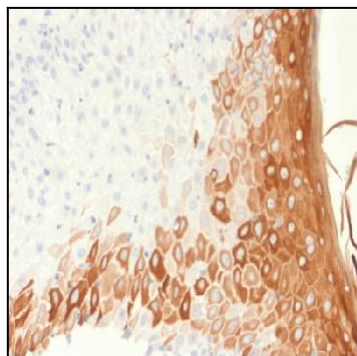


Figure 1: Formalin-fixed, paraffin-embedded human skin stained with Cytokeratin 10 Mouse Recombinant Monoclonal Antibody (rKRT10/1275).

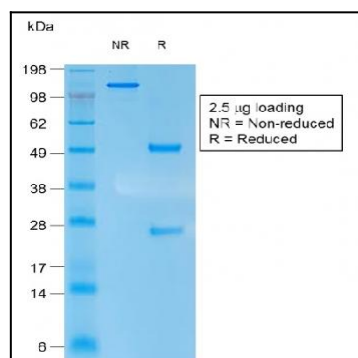


Figure 2: SDS-PAGE Analysis of Purified Cytokeratin 10 Mouse Recombinant Monoclonal Antibody (rKRT10/1275).