Rabbit Anti-Cytokeratin 14 [EP61]: RM0075, RM0075RTU7

**Intended Use:** For Research Use Only

**Description:** Cytokeratin 14 (CK14) is a 50-kDa keratin expressed in abundance in stratified epithelial cells, epidermal cells, basal cells, mesothelial cells, and myoepithelial cells in various tissues including breast and prostate. CK14 is helpful in the identification of breast cancer with basal phenotype. It has been reported that cytokeratin 5/14-positive breast cancers are true basal phenotype confined to BRCA1 tumors. Along with p63 and CK5, CK14 has been a useful marker for cells with basal, squamous and myoepithelial differentiation.

**Specifications:**
- Clone: EP61
- Source: Rabbit
- Isotype: IgG
- Reactivity: Human
- Localization: Cytoplasm
- Formulation: Antibody in PBS pH7.4, containing BSA, and ≤ 0.09% sodium azide (NaN3)
- Storage: Store at 2°- 8°C
- Applications: IHC
- Package:

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog No.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cytokeratin 14 Concentrated</td>
<td>RM0075</td>
<td>1 ml</td>
</tr>
<tr>
<td>Cytokeratin 14 Prediluted</td>
<td>RM0075RTU7</td>
<td>7 ml</td>
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</tbody>
</table>

**IHC Procedure**:
- **Positive Control Tissue:** Skin, SqCC
- **Concentrated Dilution:** 50-200
- **Pretreatment:** Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
- **Incubation Time and Temp:** 30-60 minutes @ RT
- **Detection:** Refer to the detection system manual

*Result should be confirmed by an established diagnostic procedure.*

![FFPE human SqCC stained with anti-CK14 using DAB](image)

**References:**