

**Rabbit Anti-Cytokeratin 14 [EPR17350]: 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:**

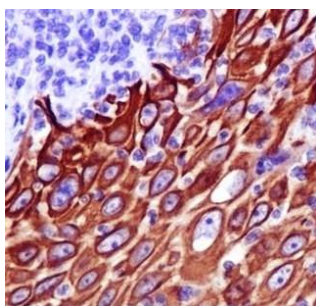
Clone: EPR17350 equivalent to EP61  
 Source: Rabbit  
 Isotype: IgG  
 Reactivity: Human, mouse, rat  
 Localization: Cytoplasm  
 Formulation: Antibody in PBS pH7.4, containing BSA, and ≤ 0.09% sodium azide (NaN3)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, Flow Cyt., ICC/IF, WB  
 Package:

Description	Catalog No.	Size
Cytokeratin 14 Concentrated	RM0075	1 ml
Cytokeratin 14 Prediluted	RM0075RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Skin, SqCC  
 Concentrated Dilution: 50-200  
 Pretreatment: Tris EDTA pH9.0, 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 of cervix stained with anti-CK14 using DAB

**References:**

1. Development of a bacterial cellulose-based hydrogel cell carrier containing keratinocytes and fibroblasts for full-thickness wound healing. Loh EYX et al. Sci Rep 8:2875, 2018.
2. Characterization of Long-Term Cultured Murine Submandibular Gland Epithelial Cells. Ikeura K, et al. PLoS One 11:e0147407, 2016.
3. Isolation and characterization of hair follicle stem cells from Arbas Cashmere goat. He N, et al. Cytotechnology 68:2579-2588, 2016.

Doc. 100-RM0075  
Rev. A