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## 36-11000: Monoclonal Antibody to Cytokeratin, pan (Epithelial Marker)(KRTL/1077 + KRTH/1076)

Clonality: Monoclonal

Clone Name: KRTL/1077 + KRTH/1076

**Application:** IHC

Reactivity: Human, Rat
Gene: KRT77
Gene ID: 374454
Uniprot ID: Q7Z794
Format: Purified
Alternative Name: KRT77.KRT1B

**Isotype:** Mouse IgG1, kappa + Mouse IgG1, kappa **Immunogen Information:** Recombinant human KRT77 and KRT76 protein

## **Description**

Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pl 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, which include CK1, CK3, CK4, CK5, CK6, CK8, CK10, CK14, CK15, CK16, and CK19. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRTL/KRTH is a broad spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It has been used to characterize the source of various neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and has shown high sensitivity in the recognition of epithelial cells and carcinomas.

## **Product Info**

**Amount:** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

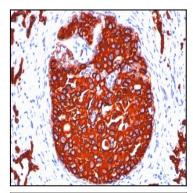
## **Application Note**

Immunohistochemistry (Formalin-fixed) (0.1-0.2ug/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&degC followed by cooling at RT for 20 minutes);

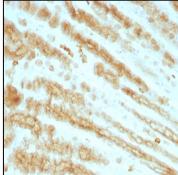


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Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).



Formalin paraffin Rat Stomach stained with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).



Formalin-fixed, paraffin-embedded Rat Oviduct with Cytokeratin, pan Monoclonal Antibody cocktail (KRTL/1077 + KRTH/1076).