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## 36-1378: Monoclonal Antibody to Cytokeratin 18 (KRT18)(Clone: KRT18/834)

Clone Name: Monoclonal
Clone Name: KRT18/834
Application: WB,FACS,IF,IHC

Reactivity: Human
Gene: KRT18
Gene ID: 3875
Uniprot ID: P05783
Format: Purified

Alternative Name: KRT18,CYK18,PIG46
Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant full-length human KRT18 protein

## **Description**

This MAb reacts with a wide variety of simple epithelia. It does not react with stratified squamous epithelia. It reacts with epithelial tumors of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid. Cytokeratin 18, which belongs to the type A (acidic) subfamily of low molecular weight keratins, exists in combination with cytokeratin 8. It is reported that tissues from gastrointestinal tract are positive for both cytokeratin 8 and 18 but do not contain cytokeratin 14. Tissues from gastrointestinal tract, respiratory tract and urogenital tract, as well as endocrine and exocrine tissues and mesothelial cells are positive for cytokeratin 18.

## **Product Info**

**Amount :** 100 μg

**Purification:** Affinity Chromatography

Content:  $100 \mu g$  in 500  $\mu l$  PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

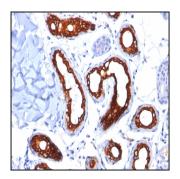
toxic.

**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**

Western Blot (1-2ug/ml); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/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);

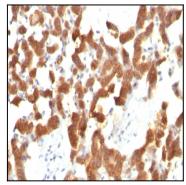


Formalin-fixed, paraffin-embedded human Skin stained with Cytokeratin 18 Monoclonal Antibody (KRT18/834).

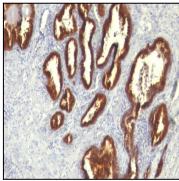


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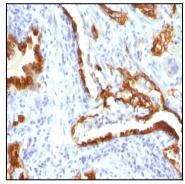
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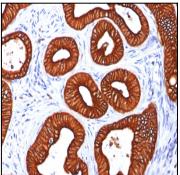
Formalin-fixed, paraffin-embedded human Thyroid Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/834).



Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/834).



Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/834).

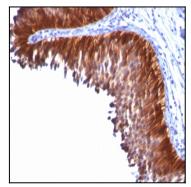


Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/834).

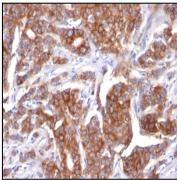


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Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/834).



Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Cytokeratin 18 Monoclonal Antibody (KRT18/834).