

36-2690: Anti-Cytokeratin 18 (KRT18) Monoclonal Antibody(Clone: KRT18/2808R)

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| Clonality : | Monoclonal |
| Clone Name : | KRT18/2808R |
| Application : | FACS,IF,WB,IHC |
| Reactivity : | Human |
| Gene : | KRT18 |
| Gene ID : | 3875 |
| Uniprot ID : | P05783 |
| Alternative Name : | Cell Proliferation-inducing Gene 46 Protein; CK18; CYK18Cytokeratin Endo B; K18; Keratin-18; Kerd; KRT18 |
| Isotype : | Rabbit IgG |
| Immunogen Information : | Recombinant human full-length 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

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | 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

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);Western Blot (1-2ug/ml);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues is enhanced by 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)

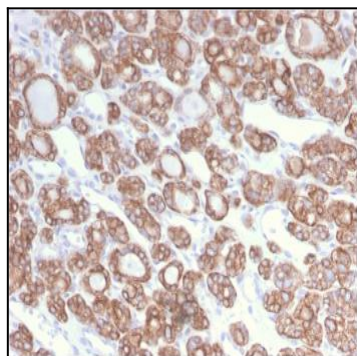


Fig. 1: Formalin-fixed, paraffin-embedded human Thyroid Carcinoma stained with CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).

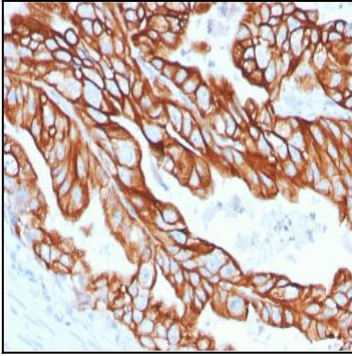


Fig. 2: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).

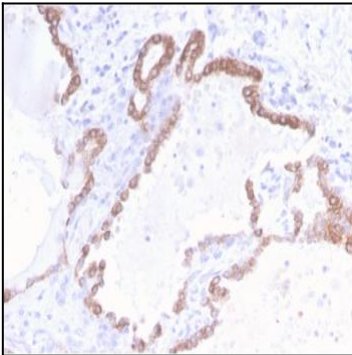


Fig. 3: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).

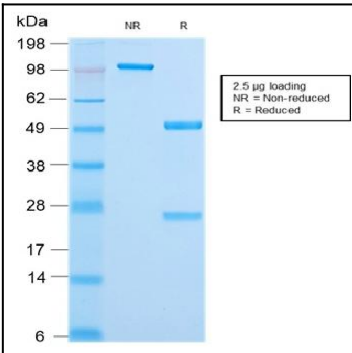


Fig. 4: SDS-PAGE Analysis Purified CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R). Confirmation of Purity and Integrity of Antibody.

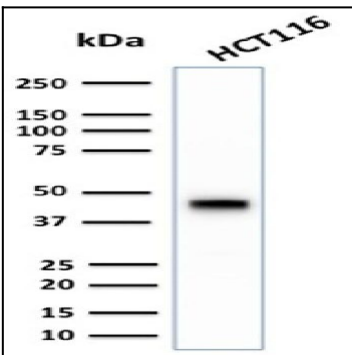


Fig. 5: Western Blot Analysis of human HCT116 cell lysate using CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).

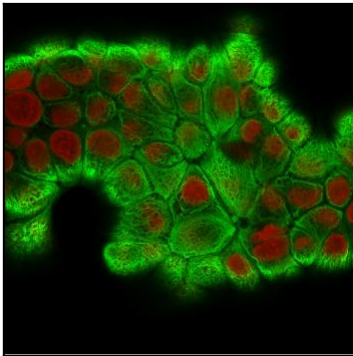


Fig. 6: Immunofluorescence Analysis of MCF-7 cells labeling CK18 with CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).

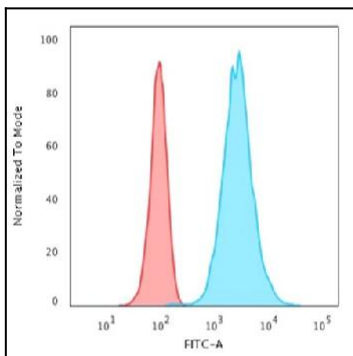


Fig. 7: Flow Cytometric Analysis of HeLa cells using CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R) followed by Goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red).