9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

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

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

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&degC followed by cooling at RT for 20 minutes)

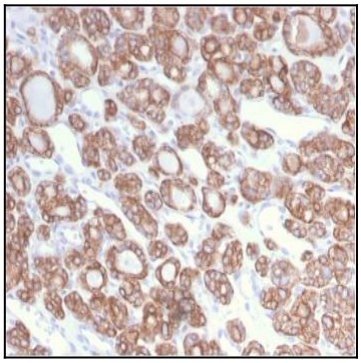

Fig. 1: Formalin-fixed, paraffin-embedded human Thyroid Carcinoma stained with CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

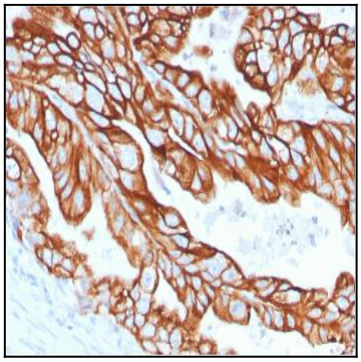

Fig. 2: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).

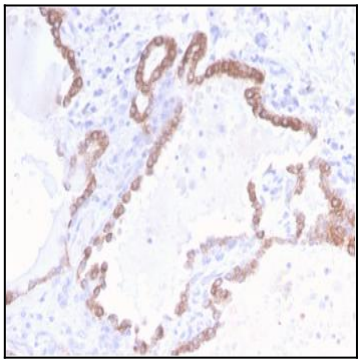

Fig. 3: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).

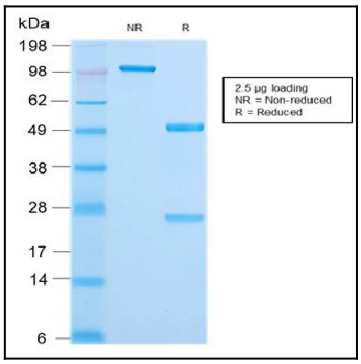

Fig. 4: SDS-PAGE Analysis Purified CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R). Confirmation of Purity and Integrity of Antibody.

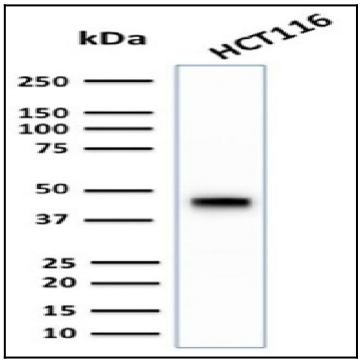

Fig. 5: Western Blot Analysis of human HCT116 cell lysate using CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R).

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

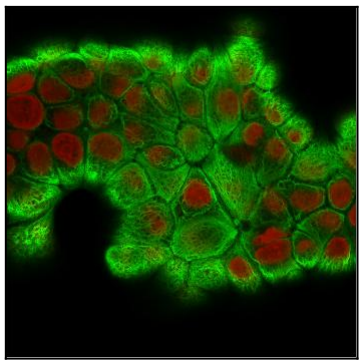

Fig. 6: Immunofluorescence Analysis of MCF-7 cells labeling CK18 with CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).

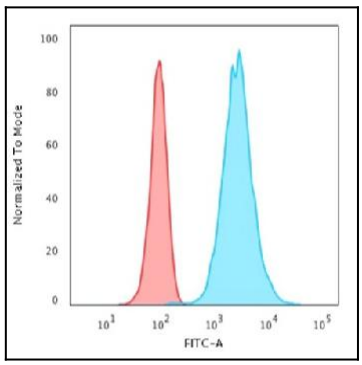

Fig. 7: Flow Cytometric Analysis of HeLa cells using CK18 Rabbit Recombinant Monoclonal Antibody (KRT18/2808R) followed by Goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red).