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36-3018: Monoclonal Antibody to CK18 (Clone: DC10)

Clonality :	Monoclonal
Clone Name :	DC10
Application :	FACS
Reactivity :	Human
Gene :	KRT18
Gene ID :	3875
Uniprot ID :	P05783
Format :	Purified
Alternative Name :	KRT18,CYK18,PIG46
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Human breast cancer PMC 42 cells were used as immunogen to generate the Keratin 18 antibody.

Description

Keratins, also called cytokeratins, comprise a family of filamentous structural proteins that form the intermediate filaments of epithelial cells. Keratin proteins are differentially expressed depending on epithelial cell type and degree of differentiation. Antibody to a given keratin can be useful as a marker in of itself or as part of an antibody panel to help identify or classify tissue origin.

Product Info

Amount :	100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 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

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 requires 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)

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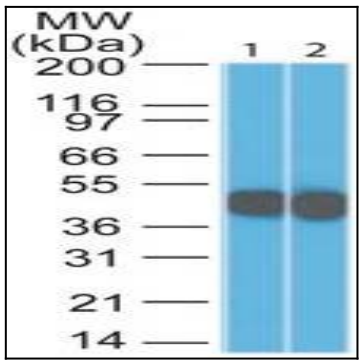

Figure-1: Western blot analysis of CK18. Anti-CK18 antibody (Clone: DC10) was used at 1 µg/ml in 1) HeLa and 2) A431 lysate.

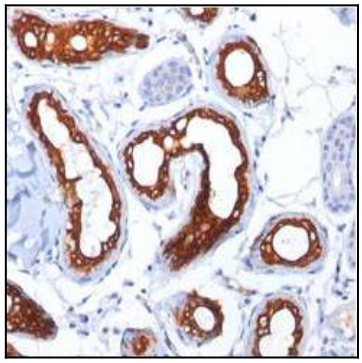

Figure-2: Immunohistochemical analysis of CK18 in human skin sweat gland using CK18 antibody (Clone: DC10) at 1:150 dilution.

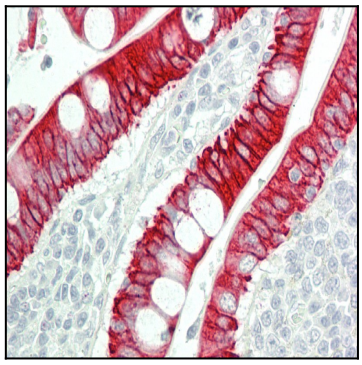

Figure-3: Immunohistochemical analysis of CK18 in human Small intestine tissue using CK18 antibody (Clone: DC10) at 10 µg/ml.

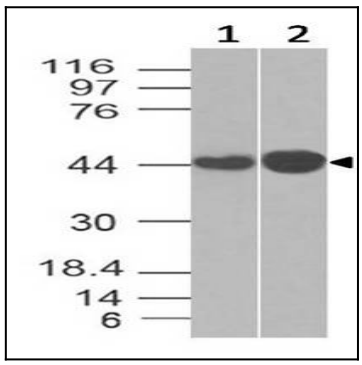

Figure-4: Western blot analysis of CK18. Anti-CK18 antibody (Clone: DC10) was used at 1 µg/ml in 1) K562 and at 0.1 µg/ml in 2) HCT-116 lysates.