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36-3003: Monoclonal Antibody to CK19 (Clone: A53-B/A2)

Clonality :	Monoclonal
Clone Name :	A53-B/A2
Reactivity :	Human
Gene :	KRT19
Gene ID :	3880
Uniprot ID :	P08727
Format :	Purified
Alternative Name :	KRT19
Isotype :	Mouse IgG2a, lambda
Immunogen Information :	Human breast cancer MCF-7 cells were used as the immunogen for the Keratin-19 antibody.

Description

Keratin-19 (K19) is a type I intermediate filament protein and one of the best characterized of the keratins expressed in mature striated muscle. Keratin-19 is expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium. Keratin-19 has been used as a useful marker for detection of tumor cells in lymph nodes, peripheral blood, bone marrow and breast cancer. Immunohistochemical data has shown that Keratin-19 may be uses as a marker for human skin stem cells.

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.

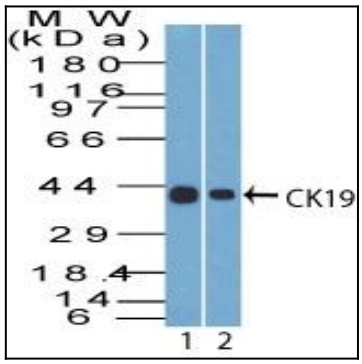

Figure-1: Western blot analysis of CK19. Anti CK19 antibody (Clone: A53-B/A2) was used at 1 µg/ml in 1) HepG2 and 2) MCF7 lysates.

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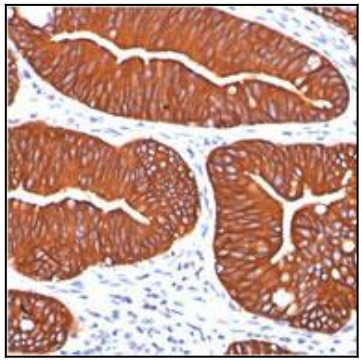

Figure-2: Immunohistochemical analysis of CK19 in human colon cancer using CK19 antibody (Clone: A53-B/A2) at 1:100 dilution.

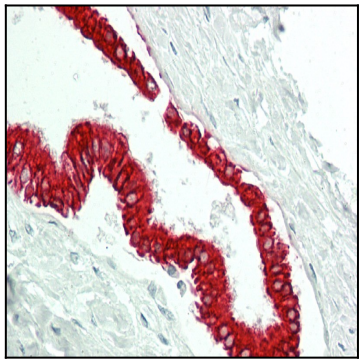

Figure-3: Immunohistochemical analysis of CK19 in human Pancrease, Duct using CK19 antibody (Clone: A53-B/A2) at 10 µg/ml.

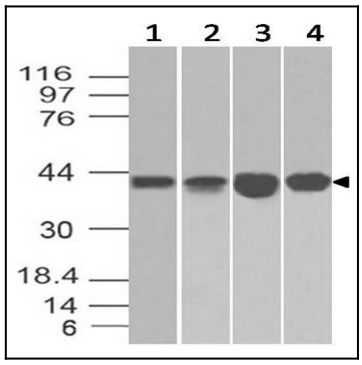

Figure-4: Western blot analysis of CK19. Anti CK19 antibody (Clone: A53-B/A2) was used at 1 µg/ml in (1) MIapica-2, 0.1 µg/ml in (2) PANC-1, 0.01 µg/ml in (3) HCT-116 and (4) PC3 lysates.

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