

## 10-7506: Monoclonal Antibody to CK19 (Clone: A53-B/A2)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	A53-B/A2
<b>Application :</b>	IHC,WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	KRT19
<b>Gene ID :</b>	3880
<b>Uniprot ID :</b>	P08727
<b>Format :</b>	Purified
<b>Alternative Name :</b>	KRT19
<b>Isotype :</b>	Mouse IgG2a Kappa
<b>Immunogen Information :</b>	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 used as a marker for human skin stem cells.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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 analysis: 0.01-3 µg/ml; Immunohistochemical analysis: 1:100-1:200

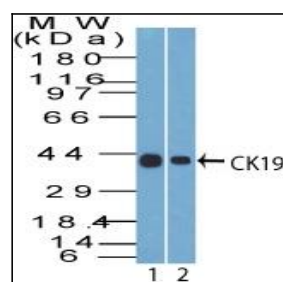


Figure-1: Western blot analysis of CK19. Anti CK19 antibody (Clone: A53-B/A2) was used at 1 µg/ml in 1) HepG2 and 2) MCF7 lysates.

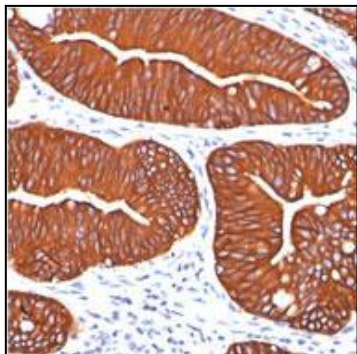


Figure-2: Immunohistochemical analysis of CK19 in human colon cancer using CK19 antibody (Clone: A53-B/A2) at 1:100 dilution.

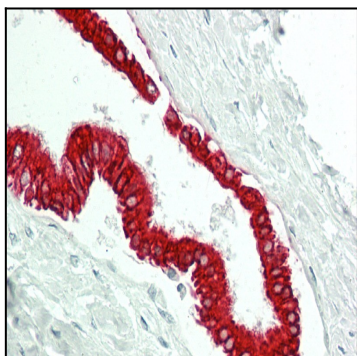


Figure-3: Immunohistochemical analysis of CK19 in human Pancreas, Duct using CK19 antibody (Clone: A53-B/A2) at 10 µg/ml.

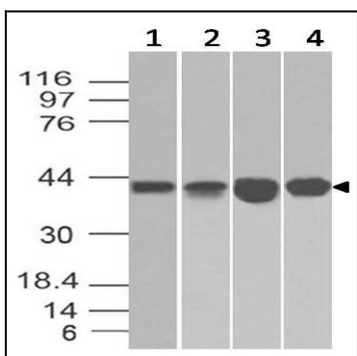


Figure-4: Western blot analysis of CK19. Anti CK19 antibody (Clone: A53-B/A2) was used at 1 µg/ml in (1) Mlapica-2, 0.1 µg/ml in (2) PANC-1, 0.01 µg/ml in (3) HCT-116 and (4) PC3 lysates.