ABGENEX Pvt. Ltd., E-5, Infocity, KIIT Post Office, Tel: +91-674-2720712, +91-9437550560 Email: info@abgenex.com

Bhubaneswar, Odisha - 751024, INDIA

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:

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.

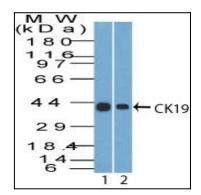


Figure-1: Western blot analysis of CK19. Anti CK19 antibody (Clone: A53-B/A2) was used at 1 μ g/ml in 1) HepG2 and 2) MCF7 lysates.





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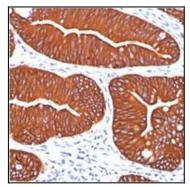


Figure-2: Immunohistochemical analysis of CK19 in human colon cancer using CK19 antibody (Clone: A53-B/A2) at 1:100 dilution.



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

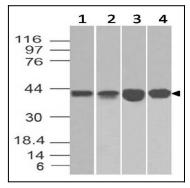


Figure-4: Western blot analysis of CK19. Anti CK19 antibody (Clone: A53-B/A2) was used at 1 μ g/ml in (1) Mlapica-2, 0.1 μ g/ml in (2) PANC-1, 0.01 μ g/ml in (3) HCT-116 and (4) PC3 lysates.