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# Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone Ks19.1] Catalog # AH11737

#### **Product Information**

Application IHC, IF, FC
Primary Accession P08727
Other Accession 3880, 654568
Reactivity Human
Host Mouse
Clonality Monoclonal

**Isotype** Mouse / IgG2a, kappa

Clone Names Ks19.1 Calculated MW 44106

## **Additional Information**

Gene ID 3880

Other Names Keratin, type I cytoskeletal 19, Cytokeratin-19, CK-19, Keratin-19, K19, KRT19

**Application Note** IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50

**Storage** Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions Cytokeratin 19 (KRT19) (Pancreatic Stem Cell Marker) Antibody - With BSA

and Azide is for research use only and not for use in diagnostic or therapeutic

procedures.

#### **Protein Information**

Name KRT19

**Function** Involved in the organization of myofibers. Together with KRT8, helps to link

the contractile apparatus to dystrophin at the costameres of striated muscle.

**Tissue Location** 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 (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. Also seen in a subset of vascular wall cells in both the veins and artery of human umbilical cord, and in umbilical cord vascular smooth muscle. Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma in structures that contain dystrophin and

spectrin.

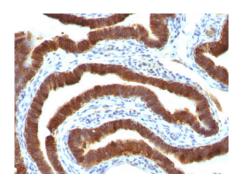
# **Background**

This MAb reacts with the rod domain of human cytokeratin-19 (CK19), a polypeptide of 40kDa. Its epitope maps between amino acid 312-335. CK19 is expressed in sweat gland, mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, and ectocervical epithelium. Anti-CK19 reacts with a wide variety of epithelial malignancies including adenocarcinomas of the colon, stomach, pancreas, biliary tract, liver, and breast. Perhaps the most useful application is the identification of thyroid carcinoma of the papillary type, although 50%-60% of follicular carcinomas are also labeled. Anti-CK19 is a useful marker for detection of tumor cells in lymph nodes, peripheral blood, bone marrow and breast cancer.

### References

Bartek J et. al. Histochemical Journal, 1990, 22(10):537-44

# **Images**



Formalin-fixed, paraffin-embedded human Ovarian Carcinoma stained with Cytokeratin 19 Ab (Ks19.1).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.