IHCAb™ Cytokeratin 19 mouse mAb (BGT050)

Cat #: B-IMW6863

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21

Product Information

Applications/Dilution: IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500

Isotype/Source: Mouse, Monoclonal/IgG2b, Kappa

Specificity: The antibody can specifically recognize human CK19 protein, and shows no cross reaction with CK1, 5, 6, 7, 8, 10, 13, 14, 15, 17, 18, 20

Subcellular Location: Kindey, Liver, Colon, Colon carcinoma

Expression: 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

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.67% sodium azide

Storage: Store at -15°C to -25°C

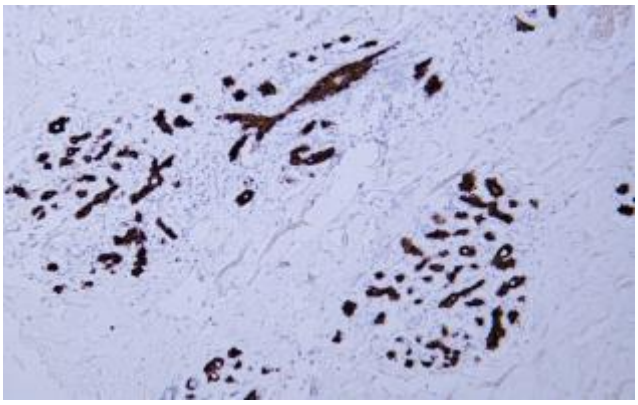

Fig.1. Human breast tissue was stained with Anti-Cytokeratin 19 Antibody

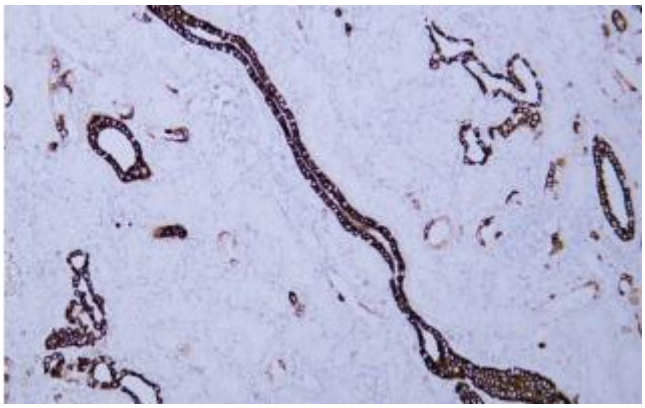

Fig.2. Human kindey adenocarcinoma tissue was stained with Anti-Cytokeratin 19 Antibody

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.