

## IHCAb™ Vimentin mouse mAb (BGT019)

Cat #: B-IMW6969

Size: 100 µL

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

### Background

This gene encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract.

### 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 Vimentin protein. In western blotting of HEK293 cell lysate, the antibody can label a 54KDa band corresponding to Vimentin

**Subcellular Location:** Cytoplasm . Cytoplasm, cytoskeleton . Nucleus matrix . Cell membrane

**Expression:** Highly expressed in fibroblasts, some expression in T- and B-lymphocytes, and little or no expression in Burkitt's lymphoma cell lines. Expressed in many hormone-independent mammary carcinoma cell lines

**Formulation:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.63% sodium azide

**Storage:** Store at -15°C to -25°C

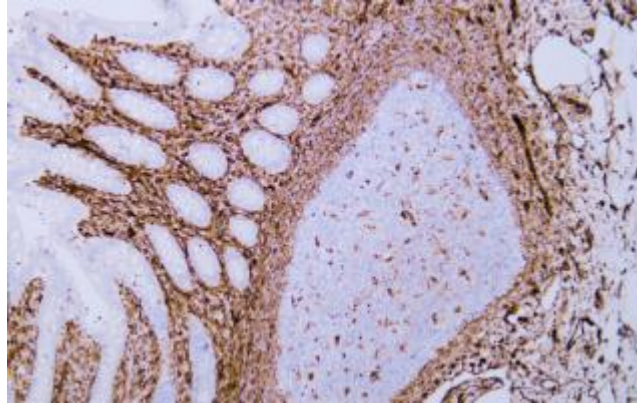


Fig.1. Human appendix tissue was stained with Anti-Vimentin Antibody

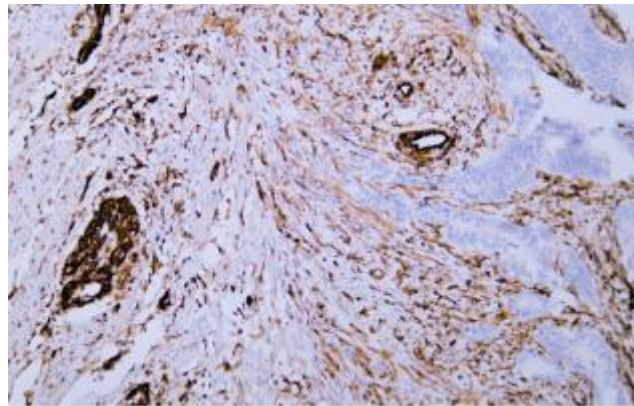


Fig.2. Human colon carcinoma tissue was stained with Anti-Vimentin Antibody

**Note:**

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