

## IHCAb™ CK14 mouse mAb (BGT047)

Cat #: B-IMW4064

Size: 100 µL

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

### Background

This gene encodes a member of the keratin family, the most diverse group of intermediate filaments. This gene product, a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex. At least one pseudogene has been identified at 17p12-p11.

### Product Information

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

**Isotype/Source:** Mouse, Monoclonal

**Specificity:** The antibody can specifically recognize human CK14 protein. In immunohistochemistry on formalin-fixed, paraffin-embedded tissue sections, the antibody specifically labels the basal cell of squamous

**Subcellular Location:** Cytoplasm. Nucleus. Expressed in both as a filamentous pattern

**Expression:** Expressed in the corneal epithelium (at protein level) (PubMed:26758872). Detected in the basal layer, lowered within the more apically located layers specifically in the stratum spinosum, stratum granulosum but is not detected in stratum corneum. Strongly expressed in the outer root sheath of anagen follicles but not in the germinative matrix, inner root sheath or hair (PubMed:9457912). Found in keratinocytes surrounding the club hair during telogen (PubMed:9457912)

**Formulation:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.32% sodium azide

**Storage:** Store at -15°C to -25°C

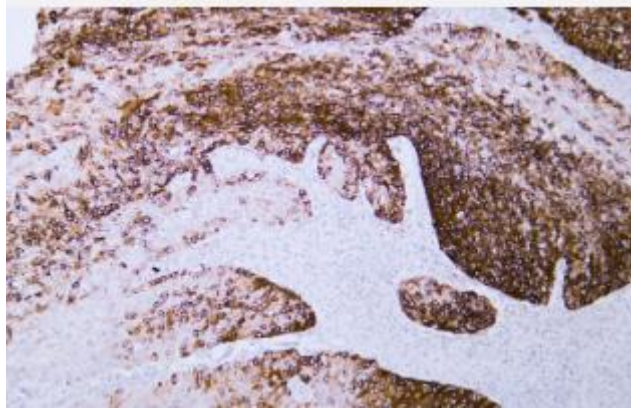


Fig.1. Human cervical squamous cell carcinoma tissue was stained with Anti-Cytokeratin 14 Antibody.

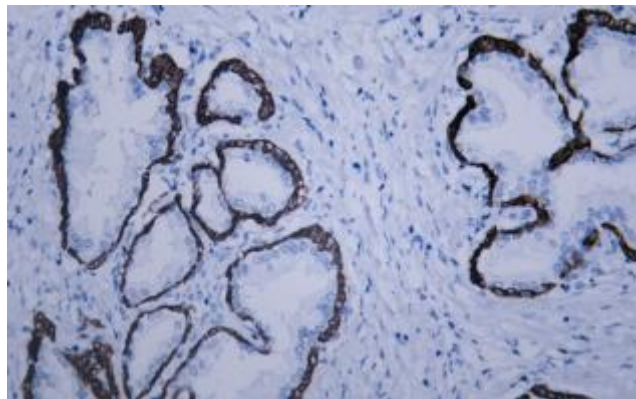


Fig.2. Human prostate tissue was stained with Anti-Cytokeratin 14 Antibody.

**Note:**

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