

Cytokeratin10 Recombinant Rabbit Monoclonal Antibody

Cat:HKZ150175
Company: HaoKebio

Uniprot ID:P13645

Organism:Rabbit

Species reactivity:Human

Predicted Molecular Weight: 59 kDa

Applications: IHC: 1:100-1:200

IHC-Polymer: 1:400-1:800

TSA:1:500-1:1000

Background:

Cytokeratin 10 (CK10), a type I keratin and intermediate filament protein, specifically inhibits keratinocyte proliferation. It is typically expressed in the suprabasal and granular layers of epithelia, as well as in squamous epithelia. Additionally, CK10 is present in sweat gland ducts and sebaceous gland cells. Its expression correlates with squamous cell differentiation status, where low expression indicates poor differentiation. Notably, CK10 expression is observed in only ~50% of oral and pharyngeal squamous cell carcinomas. CK10 serves as a diagnostic marker to differentiate Paget's disease (negative expression) from basal cell carcinoma and squamous cell carcinoma (positive expression).

Protein full name:

Keratin 10

Synonyms:

KRT10, K10, CK10

Immunogen:

Synthetic peptide corresponding to amino acid residues 484–584 of human Cytokeratin 10.

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

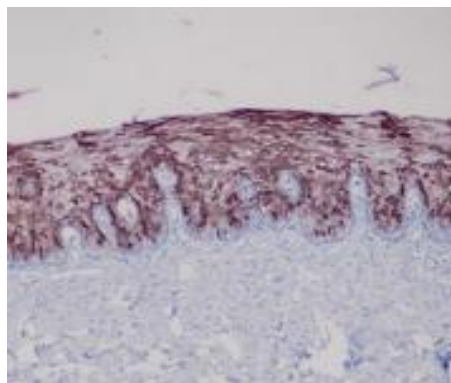
59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 °C – 25 °C) for 30 minutes.

Images:


HKZ150175-labeled Cytokeratin 10 in cervical tissue (formal in-fixed, paraffin-embedded sections) using Tris-EDTA buffer (pH 9.0) for antigen retrieval.

Source of Reagents:

1. Moll R et al. Histochem Cell Biol. 2008 Jun;129(6):705-33.
2. Moll R et al. Cell. 1982 Nov;31(1):11-24.

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发表[中文论文]请标注: Cytokeratin10 (HKZ150175) 由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注: Cytokeratin10 (HKZ150175) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

