

# Cytokeratin14 Recombinant Rabbit Monoclonal Antibody

**Cat:HKZ150170**
**Company:** HaoKebio

**Uniprot ID:**P02533

**Organism:**Rabbit

**Species reactivity:**Human

**Predicted Molecular Weight:** 52 kDa

**Applications:** IHC: 1:100-1:200

IHC-Polymer: 1:400-1:800

TSA:1:500-1:1000

**Background:**

Cytokeratin 14 is a member of the type I keratin family of intermediate filament proteins. It always pairs with the type II keratin CK5 to form the basal keratin complex in stratified squamous epithelial keratinocytes, including those of the epidermis and non-keratinized stratified squamous epithelial mucosa. CK14 is highly expressed in the undifferentiated basal cell layer containing stem cells, but downregulated in the differentiated basal cell layer. CK14 is widely distributed in stratified follicles and expressed in all cell layers of the outer root sheath. CK14 is highly expressed in most squamous cell carcinomas and malignant mesotheliomas, but rarely or not expressed in adenocarcinomas.

**Protein full name:**

Keratin 14

**Synonyms:**

KRT14, keratin 14, Cytokeratin-14

**Immunogen:**

A synthetic peptide corresponding to amino acid residues 372–472 of Cytokeratin 14.

**Isotype:**

IgG

**Subcellular location:**

Cytoplasm

**Purity:**

Affinity purification

**Form:**

Liquid

**Storage Buffer:**

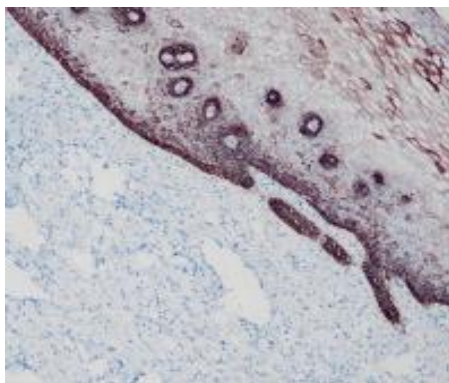
59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

**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:**


Immunohistochemical results of Cytokeratin 14 staining in esophageal tissue (formalin-fixed, paraffin-embedded sections) using HKZ150170. Antigen retrieval was performed with Tris-EDTA buffer (pH 9.0).

**Source of Reagents:**

1. Reis-Filho JS, et al. Virchows Arch. 2003 Aug;443(2):122-32.
2. Moll R, et al. Histochem Cell Biol. 2008 Jun;129(6):705-3.

**Source of Reagents:**

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