

## Cytokeratin 14 (AB1246) mouse mAb

V0289

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human; Mouse; Rat;

#### Applications

- Immunohistochemistry (IHC)

#### MW

- 52 kDa (calculated)
- 53 kDa (observed)

#### Isotype

- IgG2b, kappa

### Recommended Dilution Ratios

#### Application

Immunohistochemistry (IHC)

#### Dilution

IHC, 1:200-1:400

### Storage

#### Storage Conditions

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

#### Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

### Basic Information

**Clonality** Monoclonal

**Clone Number** AB1246

**Immunogen** A synthetic peptide corresponding to the amino acid region 400 - 472 of the human Cytokeratin 14 protein.

**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 epithelial cells and glandular

**Purification** Affinity purification Protein A

**Concentration** Product concentration may vary by batch. Please refer to the product COA for details.

### Target Information

**Gene name** KRT14

**Protein Name** Cytokeratin 14

| Database Link | Organism | Swiss Prot. | Gene ID |
|---------------|----------|-------------|---------|
|               | Human    | P02533      | 3861    |

**Background** CK14 is a member of the Type I family of cytokeratins with a molecular weight of 50 kDa, which is expressed in the basal cells of myoepithelium and keratinized squamous epithelium. It is mainly used for the difference between stratified squamous epithelium and monolayer epithelium and the diagnosis of squamous cell carcinoma. Eosinophilic tumors at multiple anatomical sites express CK14, which can be used to distinguish from adenocarcinoma, invasive ductal carcinoma of salivary gland and intraductal carcinoma.