

## Cytokeratin 1 (AB1520) mouse mAb

V0043

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human;

#### Applications

- Immunohistochemistry (IHC)

#### MW

- 66 kDa (calculated)
- kDa (observed)

#### Isotype

- IgG1, 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** AB1520

**Immunogen** A synthetic peptide corresponding to the amino acid region 200 - 300 of the human Cytokeratin 1 protein.

**Specificity** The antibody can specifically recognize human CK1 protein. In immunohistochemistry on formalin-fixed, paraffin-embedded tissue sections, the antibody specifically labels only skin epidermal cells, whereas squamous or 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** KRT1

**Protein Name** Cytokeratin 1

| Database Link | Organism | Swiss Prot. | Gene ID |
|---------------|----------|-------------|---------|
|               | Human    | P04264      | 3848    |

**Background** Cytokeratin 1 is a 68 kDa protein with the structure of alpha-helical coiled-coil dimers and it is highly expressed in keratinized squamous epithelium. CK1 forms a complete cellular support network system, provides mechanical strength support for cells, and participates in cell differentiation and intracellular information transmission. Diseases associated with CK1 include Ichthyosis, Epidermolytic Hyperkeratosis and Palmoplantar Keratoderma, Nonepidermolytic.