

Cytokeratin (AB1304) mouse mAb

W0429

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- IHC; WB; IF; ELISA

MW

- kDa (calculated)
- 52; 55 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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 AB1304

Immunogen A synthetic peptide corresponding to the amino acid region 100 - 200 of the human Cytokeratin protein.

Specificity The antibody can recognize multiple human Cytokeratins, including CK10, 13, 14, 15, 16, 18, 19, and it can be used for immunohistochemical detection of tumors from monolayer and multilayered epithelium.

Purification Affinity purification Protein A

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

Target Information

Gene name KRT10
KRT13
KRT14

Protein Name Cytokeratin

Database Link

Organism

Human

Swiss Prot.

P13645; P13646; P02533;

Gene ID

Background

Cytokeratin can label keratinized epithelium, stratified squamous epithelium, stratified epithelium, proliferative keratinized cells and monolayer epithelium. It can be used in the study of various cancers. It is positive in various adenocarcinoma, small cell carcinoma, transitional cell carcinoma, malignant mesothelioma, germ cell tumors other than seminoma, leiomyosarcoma and some synovial sarcomas. CEA and EMA can be combined for the differential diagnosis of epithelial tumors and non epithelial tumors.