

Cytokeratin 14 (AB2339) mouse mAb

W0303

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- IHC; WB; IF; ELISA

MW

- 52 kDa (calculated)
- 53 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 AB2339

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.