

Cytokeratin 8 (AB1458) mouse mAb

W0323

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- IHC; WB; IF; ELISA

MW

- 54 kDa (calculated)
- 54 kDa (observed)

Isotype

- IgG2a, 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 AB1458

Immunogen A synthetic peptide corresponding to the amino acid region 400 - 483 of the human Cytokeratin 8 protein.

Specificity The antibody can specifically recognize human CK8 protein, and shows no cross reaction with CK1, 4, 5, 6, 7, 10, 15, 16, 17, 18, 20.

Purification Affinity purification Protein A

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

Target Information

Gene name KRT8

Protein Name Cytokeratin 8

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P05787	3856

Background Cytokeratin 8 (CK8) is a member of the type II family of cytokeratins with a molecular weight of 53 kDa which plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. It generally exists in monolayer and pseudostratified epithelium, and is expressed in glandular epithelium, transitional epithelium and hepatocytes. It is absent in squamous cell carcinomas. CK8 dimerizes with CK18 to form an intermediate filament in simple single-layered epithelial cells. CK8/18 expression patterns are useful for classification of tumors of unknown origin and poorly differentiated carcinomas.