

Cytokeratin 7 (AB1431) mouse mAb

W0469

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 51 kDa (calculated)
- 51 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 AB1431

Immunogen A synthetic peptide corresponding to the amino acid region 350 - 469 of the human Cytokeratin 7 protein.

Specificity The antibody can specifically recognize human CK7 protein, and shows no cross reaction with CK1, 4, 5, 6, 8, 10, 14, 17, 18, 19, 20. In western blotting of Hela, A431, A549 and Hela cell lysates, the antibody can label a 51 kDa band corresponding to CK7.

Purification Affinity purification Protein A

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

Target Information

Gene name KRT7

Protein Name Cytokeratin 7

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P08729	3855

Background CK7 is a cytokeratin with a molecular weight of 54 kDa, which mainly marks glandular epithelium and transitional epithelium. It was positive in the epithelium of breast, thyroid, ovary, endometrium and lung, but negative in the epithelium of gastrointestinal tract, colon and prostate. It is mainly used for the study of epithelial tumors. It is often used in combination with CK20 for differential diagnosis of gastrointestinal adenocarcinoma, lung adenocarcinoma and breast cancer, and combined with EMA for diagnosis of synovial sarcoma.