

Cytokeratin 13 (AB1253) mouse mAb

W0301

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 50 kDa (calculated)
- 50 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 AB1253

Immunogen A synthetic peptide corresponding to the amino acid region 400 - 458 of the human Cytokeratin 13 protein.

Specificity The antibody can specifically recognize human CK13 protein. In western blotting of A431 cell lysate, the antibody can label a 50 kDa band corresponding to CK13.

Purification Affinity purification Protein A

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

Target Information

Gene name KRT13

Protein Name Cytokeratin 13

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P13646	3860

Background Cytokeratin 13 (CK13) is a 54 kDa protein which belongs to the intermediate filament family. CK13 protein is highly expressed in normal tissues and gradually decreased or disappeared in malignant tissues. Defects in the CK13 gene may lead to white sponge nevus of cannon (WSN), a rare autosomal dominant disorder which predominantly affects noncornified stratified squamous epithelia. CK13 can be used as an auxiliary indicator in the diagnosis of precancerous lesions.