

Cytokeratin 5 (AB1528) mouse mAb

W0315

Key Features

Host Species

- Mouse

Reactivity

- Human; Dog;

Applications

- IHC; WB; IF; ELISA

MW

- 62 kDa (calculated)
- 62 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 AB1528

Immunogen A synthetic peptide corresponding to the amino acid region 500 - 590 of the human Cytokeratin 5 protein.

Specificity The antibody can specifically recognize human CK5 protein, and shows no cross reaction with CK6. In western blotting of A431, A549 and Hela cell lysates, the antibody can label a 58 kDa band corresponding to CK5 only in A431 cell lysates.

Purification Affinity purification Protein A

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

Target Information

Gene name KRT5

Protein Name Cytokeratin 5

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P13647	3852

Background CK5 is a cytokeratin with a molecular weight of 58 kDa. In normal tissues, CK5 is expressed in squamous epithelium, germinal layer cells of some squamous epithelium, basal cells of ductal epithelium, myoepithelial cells and mesothelial cells, and almost no expression in most glandular epithelial cells. Therefore, it can be used for the differential diagnosis of squamous cell carcinoma and adenocarcinoma, mesothelioma and adenocarcinoma, as well as benign and malignant tumors of prostate, breast and salivary gland epithelium.