

MCM2 (AB1556) mouse mAb

W0363

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse;

Applications

- IHC; WB; IF; ELISA

MW

- 120 kDa (calculated)
- 130 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:100-1:500 | 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 AB1556

Immunogen A synthetic peptide corresponding to the amino acid region 300 - 400 of the human MCM2 protein.

Specificity The antibody can specifically recognize human MCM2 protein. In western blotting of HEK293 cell lysate, the antibody can label a 130 kDa band.

Purification Affinity purification Protein A

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

Target Information

Gene name MCM2

Protein Name MCM2

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P49736	4171

Background

Micro chromosome maintenance protein (MCM) is the main regulator of eukaryotic DNA replication and plays an important role in the initiation and extension of DNA replication. Its family member MCM2 is not expressed in quiescent cells, but overexpressed in proliferating and transforming cells, which can accurately reflect the proliferative activity of cells. In the study of precancerous lesions of colon cancer, lung cancer and other epithelial tissues, MCM2 is better than Ki-67 as a reference basis for cell proliferation. In cervical cancer, the expression of MCM2 can reflect the proliferation of cervical squamous epithelial cells, which is positively correlated with HPV16 infection. MCM2 also contributes to the study of malignant mesothelioma and reactive mesothelial hyperplasia.



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