

Proliferating Cell Nuclear Antigen (AB1371) mouse mAb

W0392

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- IHC; WB; IF; ELISA

MW

- 29 kDa (calculated)
- 35 kDa (observed)

Isotype

- IgG2b, 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 AB1371

Immunogen A synthetic peptide corresponding to the amino acid region 1 - 100 of the human Proliferating Cell Nuclear Antigen protein.

Specificity The antibody can specifically recognize human PCNA protein. In western blotting of HeLa, A431 and HEK293 cell lysates, the antibody can label a 30 kDa band corresponding to PCNA.

Purification Affinity purification Protein A

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

Target Information

Gene name PCNA

Protein Name Proliferating Cell Nuclear Antigen

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P12004	5111

Background PCNA is a 36 kDa nuclear protein related to cell cycle, which is necessary for cells to synthesize DNA. It is expressed in S phase, G1 phase and early G2 phase of proliferating cells and is the main marker of cell proliferation index. It is used to study the cell proliferation of malignant tumor and judge its malignant degree, which is of certain significance to the treatment and prognosis of tumor.