

p57kip2 (AB1365) mouse mAb

W0385

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- IHC; WB; IF; ELISA

MW

- 50 kDa (calculated)
- 57 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 AB1365

Immunogen A synthetic peptide corresponding to the amino acid region 200 - 316 of the human p57kip2 protein.

Specificity The antibody can specifically recognize human p57kip2 protein.

Purification Affinity purification Protein A

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

Target Information

Gene name CDKN1C

Protein Name p57kip2

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P49918	1028

Background P57kip2 is a cell cycle inhibitor and tumor suppressor. The gene is mainly located on the mother's chromosome 11. By blocking the G1 / S phase transition in the cell cycle, we can realize the negative regulation of the cell cycle, and then prevent cell proliferation and tumor formation. In complete hydatidiform mole, there is a lack of maternal gene and p57 negative expression, while in partial hydatidiform mole, there are genes of both parents and p57 positive expression, which can be used for the study of early hydatidiform mole pregnancy.