

CDK6 (AB1664) Rabbit mAb

M3033

Key Features

Host Species

- Rabbit

Reactivity

- Human,

Applications

- WB, IHC, IF, IP, ELISA

MW

- 37 kDa (calculated)
- 37 kDa (observed)

Isotype

- IgG

Recommended Dilution Ratios

Application

WB, IHC, IF, IP, ELISA

Dilution

WB, 1:1000-1:5000 | IHC, 1:200-1:1000 | IF, 1:200-1:1000 | IP, 0.5 µg-4 µg antibody for 200 µg-400 µg extracts of whole cells. | 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 AB1664

Immunogen Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Specificity This antibody detects endogenous levels of CDK6 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 CDK6 CDKN6

Protein Name CDK6

Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q00534	1021

Background

cyclin dependent kinase 6 (CDK6) Homo sapiens The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *Saccharomyces cerevisiae cdc28*, and *Schizosaccharomyces pombe cdc2*, and are known to be important regulators of cell cycle progression. This kinase is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression and G1/S transition. The activity of this kinase first appears in mid-G1 phase, which is controlled by the regulatory subunits including D-type cyclins and members of INK4 family of CDK inhibitors. This kinase, as well as CDK4, has been shown to phosphorylate, and thus regulate the activity of, tumor suppressor protein Rb. Expression of this gene is up-regulated in some types of cancer. Multiple alternatively spliced variants, encoding the same protein,

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have been identified. [provided by RefS