

p27 Kip 1 Rabbit mAb
Catalog # AP76638**Specification**

p27 Kip 1 Rabbit mAb - Product Information

Application	WB, IHC-P, IP
Primary Accession	P46414
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	22193

p27 Kip 1 Rabbit mAb - Additional Information**Gene ID** 12576**Other Names**

Cdkn1B

Dilution

WB~~1/500-1/1000

IHC-P~~N/A

IP~~1/20

Format

Liquid

p27 Kip 1 Rabbit mAb - Protein Information**Name** Cdkn1b**Function**

Important regulator of cell cycle progression (PubMed:12972555, PubMed:8033213). Inhibits the kinase activity of CDK2 bound to cyclin A, but has little inhibitory activity on CDK2 bound to SPDYA (By similarity). Involved in G1 arrest. Potent inhibitor of cyclin E- and cyclin A-CDK2 complexes (PubMed:8033213). Forms a complex with cyclin type D-CDK4 complexes and is involved in the assembly, stability, and modulation of CCND1-CDK4 complex activation. Acts either as an inhibitor or an activator of cyclin type D-CDK4 complexes depending on its phosphorylation state and/or stoichiometry.

Cellular Location

Nucleus. Cytoplasm. Endosome. Note=Nuclear and cytoplasmic in quiescent cells. AKT- or RSK-mediated phosphorylation on Thr-197, binds 14-3-3, translocates to the cytoplasm and promotes cell cycle progression. Mitogen-activated UHMK1 phosphorylation on Ser-10 also results in translocation to the cytoplasm and cell cycle progression Phosphorylation on Ser-10 facilitates nuclear export. Translocates to the nucleus on phosphorylation of Tyr-88 and Tyr-89 (By similarity)

Colocalizes at the endosome with SNX6; this leads to lysosomal degradation (PubMed:20228253).
{ECO:0000250, ECO:0000269|PubMed:20228253}

p27 Kip 1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

p27 Kip 1 Rabbit mAb - Images



