

p27Kip1 Antibody [clone DCS-72] (R30066)

Catalog No.	Formulation	Size
R30066	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

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Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	DCS-72
Purity	Ascites
Gene ID	1027
Applications	Western Blot : 2-4ug/ml Immunocytochemistry : Suitable
Limitations	This p27Kip1 antibody is available for research use only.



Description

P27(kip1), also known as cyclin dependent kinase inhibitor 1B(CDKN1B), is a major target of AFX-like forkhead proteins. CDKN1B(p27) belongs to the Cip/Kip family and functions as an important cell cycle gatekeeper. Phosphorylation leads to the ubiquitination and degradation of CDKN1B. P27(kip1) mapped to 12p13. An increase in p27 causes proliferating cells to exit from the cell cycle, and a decrease in p27 is necessary for quiescent cells to resume division. Abnormally low amounts of p27 are associated with pathological states of excessive cell proliferation, especially cancers. Overexpression

of p27Kip1 lengthens the G1 phase in a mouse model that targets inducible gene expression to central nervous system progenitor cells.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the p27Kip1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

recombinant rodent p27Kip1 protein was used as the immunogen for this p27Kip1 antibody.

Storage

After reconstitution, the p27Kip1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.