

## 39-1080: Anti-p27Kip1 Monoclonal Antibody (Clone: DCS-72)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	DCS-72
<b>Application :</b>	WB,ICC
<b>Reactivity :</b>	Human
<b>Gene :</b>	Cdkn1b
<b>Gene ID :</b>	83571
<b>Uniprot ID :</b>	O08769
<b>Alternative Name :</b>	Cyclin dependent kinase inhibitor ; Cyclin kinase inhibitor ; Cyclin-dependent kinase inhibitor 1B ; P27 kip1 ; P27kip1 ; Protein Cdkn1b ; Cdkn1b ; p27Kip1 ; rCG_29991
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	recombinant rodent p27Kip1 protein.

### 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.

### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg Na <sub>3</sub> N as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

### Application Note

Western blot : 2-4 µg/ml; Immunocytochemistry : 1 µg/ml