

Basic Information

Product Name	Anti-P27/KIP1/CDKN1B Antibody (Clone#DCS-72)	
Gene Name	CDKN1B	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG1	
Species Reactivity	human, mouse, rat	
Tested Application	WB, ICC/IF	
Contents	200ug/ml antibody with PBS , 0.02% NaN ₃ , 1mg BSA and 50% glycerol.	
Immunogen	recombinant rodent p27Kip1 protein.	
Concentration	200ug/ml	
Purification	Ascites	
Observed MW	27 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400	

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

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.

Reference

Anti-P27/KIP1/CDKN1B Antibody (Clone#DCS-72)被引用在4文献中。

Selected Validation Data

P27(BM1594)(MW:27KD)Hela细胞裂解，免疫印迹分析。

