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Anti-p27 Kip1 Mouse mAb [44B35]

Catalog No.: A33099

Basic Information

Catalog No. (Cat.No.)	A33099
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,ICC/IF,ELISA
Synonyms	p27 Kip1,p27-Kip1,KIP1,MEN4,CDKN4,MEN1B,P27KIP1

Product Information

Target	p27 Kip1
Molecular Weight(Calculated)	27 kDa
Molecular Weight(Observed)	NA
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Monoclonal
Clone No.	44B35
RRID	NA
Storage buffer	0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:2000
IHC	1:200-1:2000
ICC/IF	1:100-1:500
ELISA	1:5000-1:20000

Target Information

Protein Name	Cyclin-dependent kinase inhibitor-1B
Gene Name	*CDKN1B*
Domain	Full length
Background	p27KIP1 (CDKN1B, cyclin-dependent kinase inhibitor 1B) is a Cip/Kip-family CDK inhibitor mediating G1-phase repression, proliferation restraint and differentiation. p27KIP1 binds and suppresses Cyclin E-CDK2 and Cyclin A-CDK2 complexes, blocks Rb phosphorylation and restrains G1-S transition. Its abundance is mainly governed by post-translational degradation: mitogenic signals trigger ubiquitin-proteasome-dependent p27 turnover to permit proliferation. Anti-proliferative stimuli stabilize p27 and induce cell-cycle arrest. Acting as tumor suppressor, p27 down-regulation is frequent in human cancers and correlates with poor prognosis. It also modulates cell migration and autophagy.