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Anti-CDK2 Rabbit mAb [27B68]

Catalog No.: A52073

Basic Information

Catalog No. (Cat.No.)	A52073
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	CDK2,CDC2-related protein kinase p33,p33CDK2,p35CDK2

Product Information

Target	CDK2
Molecular Weight(Calculated)	34 kDa
Molecular Weight(Observed)	34 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	27B68
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 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	1:1000-1:5000
IHC	1:1000-1:4000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Cyclin-dependent kinase 2
Gene Name	*CDK2*
Domain	NA
Background	CDK2 (Cyclin-dependent kinase 2) is a cyclin-dependent kinase family member controlling G1/S transition and S-phase progression. CDK2 partners with Cyclin E and Cyclin A sequentially to drive G1-to-S checkpoint passage and S-phase DNA replication. Cyclin E-CDK2 complex triggers G1/S transition and DNA-replication initiation; Cyclin A-CDK2 sustains S-phase progression by phosphorylating replication-associated substrates. CDK2 activity is negatively modulated by CKI inhibitors such as p21 and p27. Dysregulated CDK2 signaling leads to aberrant cell-cycle proliferation and contributes to oncogenesis.