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Anti-Cyclin E1 Rabbit mAb [83F12]

Catalog No.: A52093

Basic Information

Catalog No. (Cat.No.)	A52093
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Cyclin-E1,Cyclin E1,CCNE1

Product Information

Target	Cyclin E1
Molecular Weight(Calculated)	47 kDa
Molecular Weight(Observed)	47 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	83F12
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	1:400-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Cyclin-E1
Gene Name	*CCNE1*
Domain	NA
Background	Cyclin E1 is a G1/S-phase cyclin controlling G1/S transition and DNA-replication initiation. Cyclin E1 binds and activates CDK2 to form CyclinE1-CDK2 complex. It phosphorylates Rb and replication-associated substrates to drive cells across G1/S restriction point and trigger S-phase DNA replication. Cyclin E1 abundance is tightly controlled temporally and degraded via ubiquitination upon S-phase onset. Aberrant Cyclin E1 overexpression provokes cell-cycle deregulation and genomic instability, strongly correlating with oncogenesis and poor clinical prognosis. Cyclin E1 is a central cell-cycle target widely studied in tumour proliferation, genome-stability and drug-intervention mechanistic researches.