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Anti-Cyclin D1 Rabbit mAb [03G85]

Catalog No.: A52092

Basic Information

Catalog No. (Cat.No.)	A52092
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Cyclin-D1,Cyclin D1,PRAD1,bcl-1

Product Information

Target	Cyclin D1
Molecular Weight(Calculated)	34 kDa
Molecular Weight(Observed)	36 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	03G85
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	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Cyclin-D1
Gene Name	*CCND1*
Domain	NA
Background	Cyclin D1 is a G1-phase cyclin family member promoting G1-phase progression and cell proliferation. Induced by growth-factor signalling, Cyclin D1 binds and activates CDK4/6, phosphorylates Rb tumour-suppressor protein and liberates E2F transcription factors to drive G1-checkpoint passage toward S-phase. Beyond kinase-dependent function, Cyclin D1 translocates into nucleus to directly modulate transcription. CCND1 amplification, chromosomal translocation or impaired protein degradation lead to aberrant Cyclin D1 accumulation and malignant proliferation, frequently observed in solid and haematological malignancies. Cyclin D1 serves as a tumour-proliferation marker for cell-cycle, oncogenesis and targeted-drug-mechanism researches.