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Anti-CDC37 (phospho Ser13) Rabbit mAb [76F36]

Catalog No.: A52071

Basic Information

Catalog No. (Cat.No.)	A52071
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	CDC37 (phospho Ser13),p-CDC37(Ser13),p60-p75,HSP90-cofactor p59

Product Information

Target	CDC37 (phospho Ser13)
Molecular Weight(Calculated)	44 kDa
Molecular Weight(Observed)	44 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	76F36
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	CDC37 (phospho Ser13)
Gene Name	*CDC37*
Domain	NA
Background	CDC37 (Cell-division-cycle 37, Phospho-Ser13) is a co-factor of Hsp90 chaperone complex and supports folding and stabilization of kinase clients. Acting as a chaperone adaptor, CDC37 selectively binds diverse kinase substrates and recruits them to Hsp90 complex, shielding kinases from ubiquitin-dependent degradation and maintaining native protein conformation. Ser13 phosphorylation is critical for CDC37 activation; this modification boosts assembly of CDC37-Hsp90-kinase complex and stabilizes oncogenic kinases including CDKs and RAF. In tumor cells, CDC37 overexpression sustains oncogenic kinase stability and drives malignant phenotypes. Phospho-Ser13 level mirrors CDC37 chaperone-pathway activity and is widely measured in oncogenic-signaling and protein-homeostasis researches.