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Anti-CHK2 Mouse mAb [32G17]

Catalog No.: A33028

Basic Information

Catalog No. (Cat.No.)	A33028
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,ICC/IF,ELISA
Synonyms	CHK2,CDS1,LFS2,RAD53,hCds1,HuCds1,PP1425

Product Information

Target	CHK2
Molecular Weight(Calculated)	61 kDa
Molecular Weight(Observed)	NA
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Monoclonal
Clone No.	32G17
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	Checkpoint kinase-2
Gene Name	*CHEK2*
Domain	Full length
Background	Chk2 (Checkpoint kinase 2) is a serine-threonine kinase mediating DNA-damage response and cell-cycle-checkpoint activation. Upon DNA double-strand break, ATM kinase phosphorylates and activates Chk2. Activated Chk2 phosphorylates downstream substrates such as Cdc25C and p53 to arrest cell-cycle progression and provide time window for DNA repair. Chk2 triggers G1/S and G2/M checkpoint responses, leading to cell-cycle arrest, DNA repair or apoptosis. Chk2 acts as a tumor suppressor; loss-of-function mutations impair DNA-damage response and elevate tumor risk.