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Chk2 (Phospho-Ser516) Antibody

货号: AYP4261

产品信息

反应	Human
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB ELISA
推荐浓度	**WB:** 1:500 - 1:2000
理论分子量	15-38kDa/50-65kDa
实测分子量	
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Jurkat,Mouse liver,Rat thymus
细胞定位	Nucleus,Nucleus,PML body,nucleoplasm
纯化	Affinity purification

抗原信息

抗原信息	Synthesized peptide derived from Human Chk2 (Phospho-Ser516).

靶点信息

研究背景	In response to DNA damage and replication blocks, cell cycle progression is halted through the control of critical cell cycle regulators. The protein encoded by this gene is a cell cycle checkpoint regulator and putative tumor suppressor. It contains a forkhead-associated protein interaction domain essential for activation in response to DNA damage and is rapidly phosphorylated in response to replication blocks and DNA damage. When activated, the encoded protein is known to inhibit CDC25C phosphatase, preventing entry into mitosis, and has been shown to stabilize the tumor suppressor protein p53, leading to cell cycle arrest in G1. In addition, this protein interacts with and phosphorylates BRCA1, allowing BRCA1 to restore survival after DNA damage. Mutations in this gene have been linked with Li-Fraumeni syndrome, a highly penetrant familial cancer phenotype usually associated with inherited mutations in TP53. Also, mutations in this gene are thought to confer a predisposition to sarcomas, breast cancer, and brain tumors. This nuclear protein is a member of the CDS1 subfamily of serine/threonine protein kinases. Several transcript variants encoding different isoforms have been found for this gene.
基因ID	11200
基因名	CHEK2
Swiss	O96017 (https://www.uniprot.org/uniprotkb/O96017/entry)
别名	CDS1,CHK2,HuCds1,LFS2,PP1425,RAD53,hCds1,CHEK2,Chk2 (Phospho-Ser516) Antibody,CHK2 checkpoint homolog,Cds1 homolog,Checkpoint kinase 2,Chk2 (Phospho-Ser516)

产品验证

实验步骤

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