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Phospho-Chk2-S516 Rabbit pAb

货号: AYP20356

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB
推荐浓度	**WB:** 1:500 - 1:2000
理论分子量	15-38kDa/50-65kDa
实测分子量	62kDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	NIH/3T3
细胞定位	Nucleus,Nucleus,PML body,nucleoplasm
纯化	Affinity purification

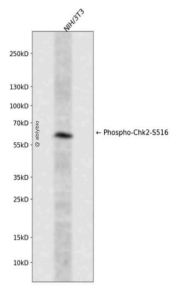
抗原信息

抗原信息	A synthetic phosphorylated peptide around S516 of human Chk2 (NP_009125.1).

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 put ative tumor suppressor. It contains a forkhead-associated protein interaction domain essential for activati on in response to DNA damage and is rapidly phosphorylated in response to replication blocks and DNA d amage. When activated, the encoded protein is known to inhibit CDC25C phosphatase, preventing entry i nto mitosis, and has been shown to stabilize the tumor suppressor protein p53, leading to cell cycle arres t in G1. In addition, this protein interacts with and phosphorylates BRCA1, allowing BRCA1 to restore survi val after DNA damage. Mutations in this gene have been linked with Li-Fraumeni syndrome, a highly pene trant familial cancer phenotype usually associated with inherited mutations in TP53. Also, mutations in th is 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 variant s 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,Phospho-Chk2-S516 Rabbit pAb,CHK2 checkpoint homolog,Cds1 homolog,Checkpoint kinase 2

产品验证



Western blot analysis of Phospho-Chk2-S516 expressed in NIH/3T3 using Phospho-Chk2-S516 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lan e. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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