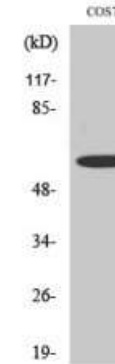


Phospho-Chk2 (Ser516) Antibody

CATALOG NO:	A1264-100 100 µl
ALTERNATE NAMES:	Serine/threonine-protein kinase Chk2, CHK2 checkpoint homolog, Cds1 homolog, Hucds1, hCds1, Checkpoint kinase 2, CHEK2
AMOUNT:	100 µl
IMMUNOGEN:	Synthesized peptide derived from human Chk2 around the phosphorylation site of S516
MOL. WEIGHT	61 kDa
HOST/ISOTYPE:	Rabbit IgG
SPECIES REACTIVITY:	Human, Monkey
SPECIFICITY:	Phospho-Chk2 (S516) Polyclonal Antibody detects endogenous levels of Chk2 protein only when phosphorylated at S516. AA: 460-540
PURIFICATION:	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
FORM:	Liquid
FORMULATION:	PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freeze/thaw cycles.
DESCRIPTION:	Serine/threonine-protein kinase which is required for checkpoint-mediated cell cycle arrest, activation of DNA repair and apoptosis in response to the presence of DNA double-strand breaks. May also negatively regulate cell cycle progression during unperturbed cell cycles. Following activation, phosphorylates numerous effectors preferentially at the consensus sequence [L-X-R-X-X-S/T]. Regulates cell cycle checkpoint arrest through phosphorylation of CDC25A, CDC25B and CDC25C, inhibiting their activity. Inhibition of CDC25 phosphatase activity leads to increased inhibitory tyrosine phosphorylation of CDK-cyclin complexes and blocks cell cycle progression.
APPLICATION:	WB 1:500-1:2000 ELISA 1:10000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western Blot analysis of COS7 cells using Phospho-Chk2 (S516) Polyclonal Antibody

RELATED PRODUCTS:

- Phospho Alpha-synuclein (Tyr125) Antibody (**Cat. No. A1219-100**)
- Phospho (Ser31) Tyrosine Hydroxylase Antibody (**Cat. No. 3613-200**)
- Phospho (Ser19) Tyrosine Hydroxylase Antibody (**Cat. No. 3612-100**)
- Phospho (Tyr1472) NMDA NR2B Antibody (**Cat. No. 3616-100**)
- Phospho CREB (Ser129) Antibody (**Cat. No. A1222-100**)
- Phospho GAP43 (Ser41) Antibody (**Cat. No. A1220-100**)
- Phospho-Akt2 (Ser474) Antibody (**Cat. No. A1246-100**)
- Phospho-Akt1 (Ser246) Antibody (**Cat. No. A1245-100**)
- Phospho-MNK1 (Thr250) Antibody (**Cat. No. A1159-50**)
- Phospho-NIFK (Thr234) Antibody (**Cat. No. A1157-50**)

FOR RESEARCH USE ONLY! Not to be used on humans.