

CABP1444

Product Information

Product SKU:	CABP1444	Gene ID:	1111	Size:	20uL, 100uL
Clone No:	ARC62579	Host Species:	Rabbit	Reactivity:	Human

Additional Information

Observed MW:	54kDa	Conjugate:	Unconjugated
Calculated MW:	54kDa	Isotype:	IgG

Immunogen Information

Background: The protein encoded by this gene belongs to the Ser/Thr protein kinase family. It is required for checkpoint mediated cell cycle arrest in response to DNA damage or the presence of unreplicated DNA. This protein acts to integrate signals from ATM and ATR, two cell cycle proteins involved in DNA damage responses, that also associate with chromatin in meiotic prophase I. Phosphorylation of CDC25A protein phosphatase by this protein is required for cells to delay cell cycle progression in response to double-strand DNA breaks. Several alternatively spliced transcript variants have been found for this gene.

Recommended Dilution: WB, 1:500 - 1:1000

Synonyms: CHK1; Phospho-Chk1-S280

Purification Method: Affinity purification

Immunogen: A synthetic phosphorylated peptide around S280 of human Chk1(NP_001107593.1).

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.