

Chk1 (phospho Ser345) Polyclonal Antibody

Catalog No: #13970

Package Size: #13970-1 50ul #13970-2 100ul

Description

Product Name	Chk1 (phospho Ser345) Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human,Mouse,Rat
Specificity	Phospho-Chk1 (S345) Polyclonal Antibody detects endogenous levels of Chk1 protein only when phosphorylated at S345.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human Chk1 around the phosphorylation site of Ser345. AA range:310-359
Conjugates	Unconjugated
Other Names	CHEK1; CHK1; Serine/threonine-protein kinase Chk1; CHK1 checkpoint homolog; Cell cycle checkpoint kinase; Checkpoint kinase-1
Accession No.	Swiss Prot:O14757GeneID:1111
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

Background

checkpoint kinase 1(CHEK1) Homo sapiens 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. [provided by RefSeq, Oct 2011],

Note: This product is for in vitro research use only and is not intended for use in humans or animals.