

Datasheet for ABIN732893
anti-CHEK1 antibody



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1 Image

Overview

Quantity:	100 µL
Target:	CHEK1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHEK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CHK1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	CHEK1
Alternative Name:	Chk1/Chek1 (CHEK1 Products)
Background:	Synonyms: Cell cycle checkpoint kinase, Checkpoint, S. pombe, homolog of, 1, Checkpoint kinase 1, Checkpoint kinase 1 homolog S. pombe, CHEK 1, CHEK-1, CHEK1, Chk 1, Chk1, CHK1 checkpoint homolog S. pombe, EC 2.7.11.1, rad27, Serine/threonine protein kinase Chk1, Serine/threonine-protein kinase CHK1, STT3, subunit of the oligosaccharyltransferase complex,

Target Details

homolog A *S. cerevisiae*, C85740, CHK1_HUMAN.

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. [provided by RefSeq, Oct 2011].

Gene ID: 1111

Pathways: [p53 Signaling](#), [Apoptosis](#), [Cell Division Cycle](#), [DNA Damage Repair](#)

Application Details

Application Notes: WB: 1:100-1000, IHC-P: 1:100-500, IF(IHC-P): 1:50-200
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

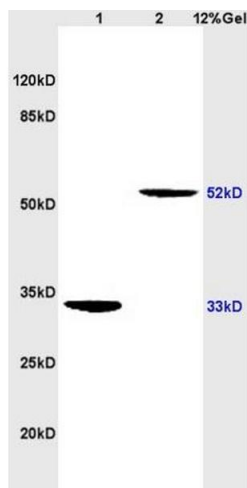
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



SDS-PAGE

Image 1. Lane 1: rat brain lysates Lane 2: rat heart lysates probed with Anti CHK1/CHEK1 Polyclonal Antibody, Unconjugated (ABIN732893) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 52kD. Observed band size: 33kD, 52kD.