

# Chk1 Polyclonal Antibody

### Description

Product type Primary Antibody

Code BT-AP01760

Host Rabbit

Isotype IgG

**Size** 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human Chk1. AA range:310-359

Mol wt 54420

Species reactivity Human, Mouse, Rat

Clonality Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name Chk1 Antibody

Synonyms CHEK1; CHK1; Serine/threonine-protein kinase Chk1; CHK1 checkpoint homolog; Cell cycle checkpoint

kinase; Checkpoint kinase-1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

#### Background

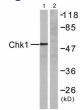
Checkpoint kinase 1 encoded by CHEK1 belongs to the Ser/Thr protein kinase family. It is required for checkpoint mediated cell cycle arrest in response to DNA damage or the presence of unreplicated DNA. This protein acts to integrate signals from ATM and ATR, two cell cycle proteins involved in DNA damage 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 CHEK1.

## Recommended Dilution

WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 40000

Not yet tested in other applications.

#### **Images**



130-

Western blot analysis of lysates from HT-29 cells, treated with UV, using Chk1 Antibody. The lane on the right is

blocked with the synthesized peptide.

Western Blot analysis of various cells using Chk1 Polyclonal Antibody diluted at 1:500

# Storage

-20°C for one year

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