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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Chk1 Antibody (PSer345)

Rabbit Anti-Human Chk1 (pSer345) Polyclonal
Catalog No. SPC-949



Discovery through partnership | Excellence through quality

Overview

Product Name

Chk1 Antibody (pSer345)

Description

Rabbit Anti-Human Chk1 (pSer345) Polyclonal

Species Reactivity

Human

Applications

WB, AM

Antibody Dilution

WB (1:250); optimal dilutions for assays should be determined by the user.

Host Species

Rabbit

Immunogen Species

Human

Immunogen

A phospho-specific peptide corresponding to residues surrounding Ser345 of human Chk1 (AA342-348)

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH7.4, 50% glycerol, 0.025% Thimerosal

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Peptide Affinity Purified

Clonality

Polyclonal

Specificity

Detects 54.42 kDa.

Cite This Product

Rabbit Anti-Human Chk1 (pSer345) Polyclonal (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPC-949)

Certificate Of Analysis

A 1:250 dilution of SPC-949 was sufficient for detection of Chk1 (pSer345) in 10 µg of HeLa cell lysate by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

C85740 Antibody, Cell cycle checkpoint kinase Antibody, CHEK 1 Antibody, CHK1 checkpoint homolog (*S. pombe*) Antibody, CHK1_HUMAN Antibody, rad27 Antibody, Serine/threonine-protein kinase CHK1 Antibody

Cellular Localization

Cytoplasmic

Accession Number

NP_001265

Gene ID

1111

Swiss Prot

O14757

Scientific Background

Chk1 is a protein-serine/threonine kinase required for checkpoint-mediated cell cycle arrest. It also subsequently activates DNA repair (i.e. homologous recombination) by phosphorylating RAD51 or FANCE in response to the presence of damage or unreplicated DNA. It regulates cell cycle progression via several mechanisms: 1) phosphorylation of certain proteins such as CDC25A, CDC25B and CDC25C, promoting their degradation; 2) phosphorylation and activation of p53; 3) phosphorylation and inactivation of TLK1, which consequently prevents TLK1-dependent phosphorylation of chromatin assembly factor ASF1A; 4) phosphorylation of histones and regulating transcription of genes involved in cell-cycle progression regulation; 5) phosphorylation of RB1 to promote its interaction with E2F transcription factors and subsequent cell cycle arrest

Product Images

Currently there are no images for this product

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.