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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Cdc7 Antibody (PThr376)

Rabbit Anti-Human Cdc7 (pThr376) Polyclonal
Catalog No. SPC-934



Discovery through partnership | Excellence through quality

Overview

Product Name

Cdc7 Antibody (pThr376)

Description

Rabbit Anti-Human Cdc7 (pThr376) 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 Thr376 of human Cdc7 (AA373-379)

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 63.888 kDa.

Cite This Product

Rabbit Anti-Human Cdc7 (pThr376) Polyclonal (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPC-934)

Certificate Of Analysis

A 1:250 dilution of SPC-934 was sufficient for detection of Cdc7 (pThr376) in 10 µg of human breast cancer cell (MCF7) lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

CDC7 cell division cycle 7 like 1 Antibody, Cell division cycle 7 kinase Antibody, HsCdc7 Antibody, Hsk 1 Antibody, HuCDC 7 Antibody

Cellular Localization

Nucleus

Accession Number

NP_003494

Gene ID

8317

Swiss Prot

O00311

Scientific Background

The Dbf4/Cdc7 protein kinase is essential for the activation of replication origins during S phase. Cdc7/Dbf4 efficiently phosphorylates several proteins that are required for the initiation of DNA replication, including five of the six minichromosome maintenance (Mcm) proteins and the p180 subunit of DNA polymerase α -primase. This protein complex consists of the catalytic subunit Cdc7 associating with the regulatory and activating subunit Dbf4. The kinase activity of the complex is regulated throughout the cell cycle, mainly by fluctuating levels of Dbf4. Cdc7 is consistently expressed throughout the cell cycle, while the expression of Dbf4 is absent during G1 phase and accumulates during S and G2 phases. The anaphase-promoting complex rapidly degrades Dbf4 at the time of chromosome segregation, and the stability of Dbf4 remains low during pre-Start G1 phase. The coordinated degradation of Dbf4 and the time of chromosome separation is important to ensuring that prereplicative complexes, which assemble after chromosome segregation, do not immediately refire.

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.