

Phospho-Chk1-S280 Rabbit Polyclonal Antibody



CABP0017

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

56kDa

Calculated MW:

43kDa/50kDa/54kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Protein 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.

Immunogen information

Gene ID:

1111

Uniprot

O14757

Synonyms:

CHEK1; CHK1

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

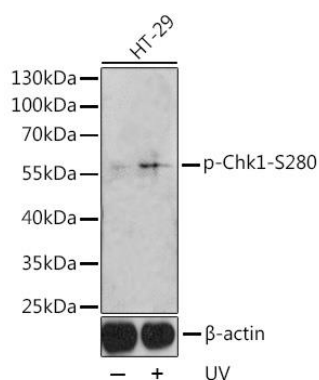
Immunogen:

A synthetic phosphorylated peptide around S280 of human Chk1 (NP_001265.2).

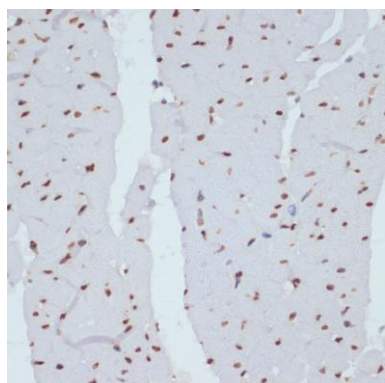
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

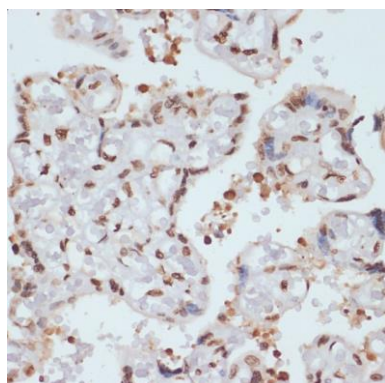
Product Images



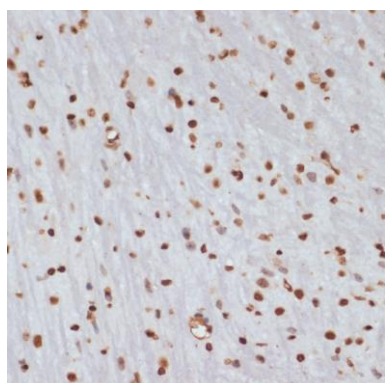
Western blot analysis of extracts of HT-29 cells, using Phospho-Chk1-Ser280 antibody (CABP0017) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.



Immunohistochemistry of paraffin-embedded rat heart using Phospho-Chk1-S280 antibody (CABP0017) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human placenta using Phospho-Chk1-S280 antibody (CABP0017) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using Phospho-Chk1-S280 antibody (CABP0017) at dilution of 1:100 (40x lens).