

Chk1 Rabbit Polyclonal Antibody



CAB7653

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

54kDa

Calculated MW:

43kDa/50kDa/54kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

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

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

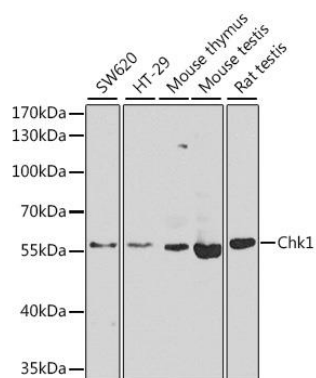
Immunogen:

A synthetic peptide of human Chk1

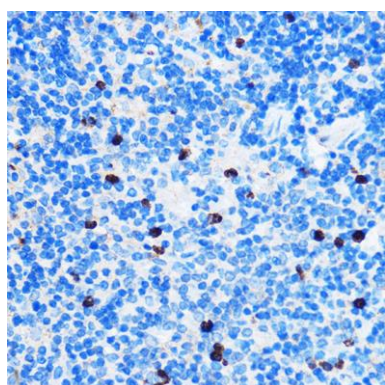
Storage:

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

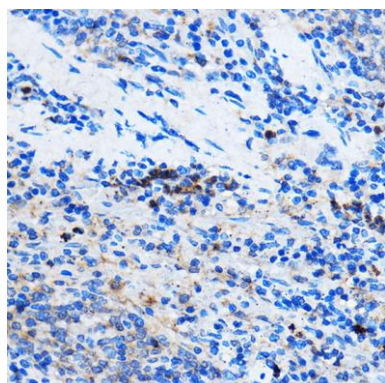
Product Images



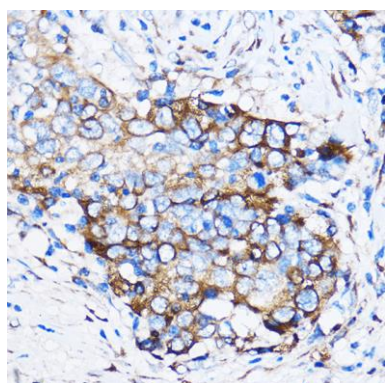
Western blot analysis of extracts of various cell lines, using Chk1 antibody (CAB7653) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded Mouse spleen using Chk1 Rabbit pAb (CAB7653) at dilution of 1:50 (40x lens).



Immunohistochemistry of paraffin-embedded Rat spleen using Chk1 Rabbit pAb (CAB7653) at dilution of 1:50 (40x lens).



Immunohistochemistry of paraffin-embedded Human esophageal cancer using Chk1 Rabbit pAb (CAB7653) at dilution of 1:50 (40x lens).