

CHEK1 Rabbit Polyclonal Antibody

Catalog No: #55275

Package Size: #55275-1 50ul #55275-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

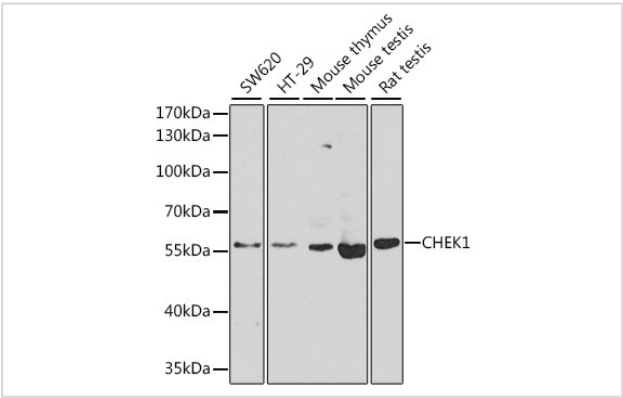
Description

Product Name	CHEK1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human CHEK1
Conjugates	Unconjugated
Other Names	CHEK1;CHK1
Accession No.	Swiss Prot:O14757GenelD:1111
Calculated MW	43kDa/50kDa/54kDa
SDS-PAGE MW	54kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

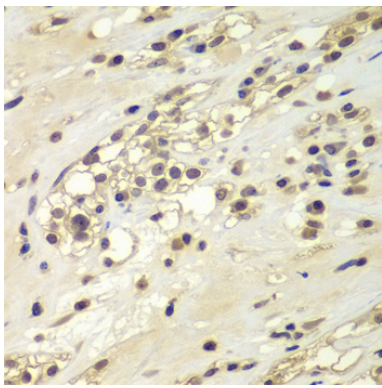
Application Details

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

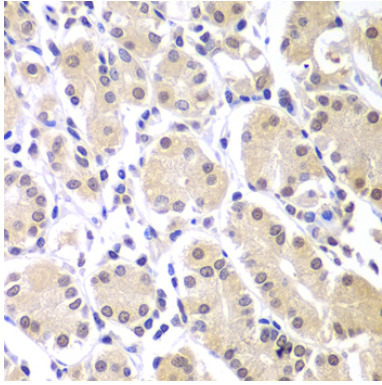
Images



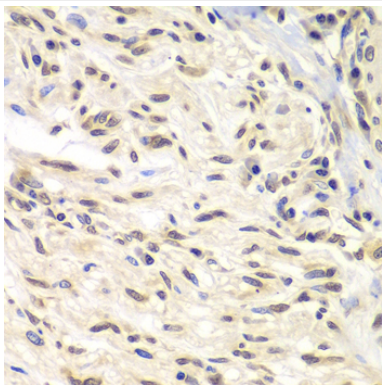
Western blot analysis of extracts of various cell lines, using CHEK1 at 1:1000 dilution.



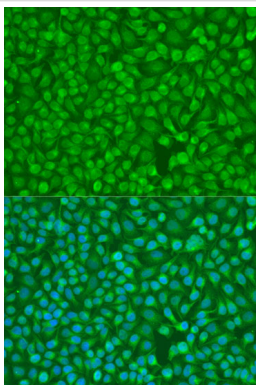
Immunohistochemistry of paraffin-embedded human kidney cancer using CHEK1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using CHEK1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using CHEK1 at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using CHEK1 at dilution of 1:100. Blue: DAPI for nuclear staining.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.