

Chk1 Rabbit mAb

Catalog No: #58906

Package Size: #58906-1 50ul #58906-2 100ul

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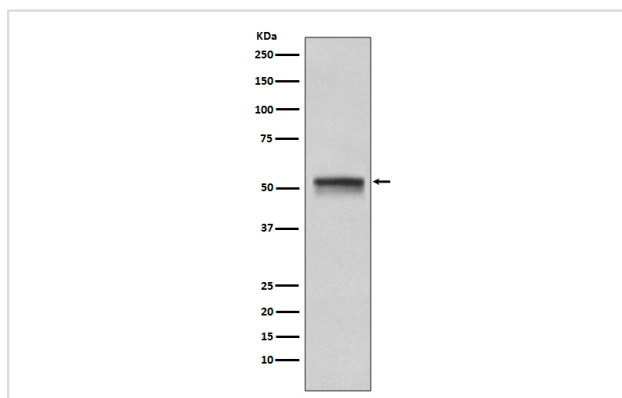
Description

Product Name	Chk1 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF FC
Species Reactivity	Human
Specificity	Chk1 Antibody detects endogenous levels of Chk1
Immunogen Description	A synthesized peptide derived from human Chk1
Other Names	Checkpoint, <i>S. pombe</i> , homolog of, 1; CHEK1; CHK1; CHK1 checkpoint homolog (<i>S. pombe</i>); Serine/threonine-protein kinase Chk1;
Accession No.	Uniprot:O14757
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Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Application Details

WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:50

Images



Western blot analysis of Chk1 expression in HeLa cell lysate.

Product Description

Chk1 kinase acts downstream of ATM/ATR kinase and plays an important role in DNA damage checkpoint control, embryonic development, and tumor suppression. Activation of Chk1 involves phosphorylation at Ser317 and Ser345 and occurs in response to blocked DNA replication and certain forms of genotoxic stress. While phosphorylation at Ser345 serves to localize Chk1 to the nucleus following checkpoint activation, phosphorylation at Ser317 along with site-specific phosphorylation of PTEN allows for reentry into the cell cycle following stalled DNA replication.

Background

Chk1 kinase acts downstream of ATM/ATR kinase and plays an important role in DNA damage checkpoint control, embryonic development, and tumor suppression. Activation of Chk1 involves phosphorylation at Ser317 and Ser345 and occurs in response to blocked DNA replication and certain forms of genotoxic stress. While phosphorylation at Ser345 serves to localize Chk1 to the nucleus following checkpoint activation, phosphorylation at Ser317 along with site-specific phosphorylation of PTEN allows for reentry into the cell cycle following stalled DNA replication.

Note: This product is for in vitro research use only