Rabbit anti-Human Chk1-S345 Monoclonal Antibody | anti-CHEK1 antibody

Phospho-Chk1-S345 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283111	**Rabbit**	**Human**	**ELISA, Western Blot**

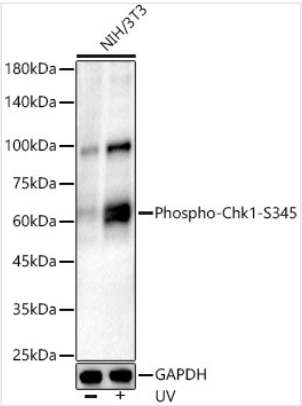
PRODUCT SYNONYMS

Chk1-S345; Monoclonal Antibody; Phospho-Chk1-S345 Rabbit mAb; CHK1; Phospho-Chk1-S345; anti-CHEK1 antibody

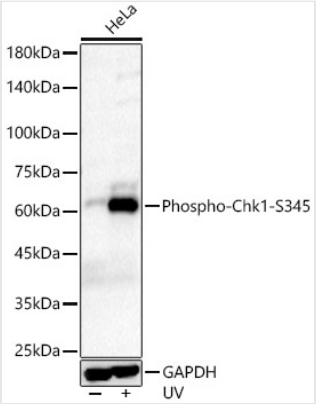
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	SFSQP
Applicable Applications for anti-CHEK1 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic phosphorylated peptide around S345 of human Phospho-Chk1-S345 (NP_001107593.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of lysates from NIH/3T3 cells,using Phospho-Chk1-S345 Rabbit mAb (AAA283111) at1:2000 dilution. NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.



WB (Western Blot)
Western blot analysis of lysates from HeLa cells,using Phospho-Chk1-S345 Rabbit mAb (AAA283111) at1:2000 dilution. HeLa cells were treated by UV at room temperature for 15-30 minutes.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-CHEK1 antibody	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.
Product Categories/Family for anti-CHEK1 antibody	Epigenetics Nuclear Signaling; DNA Damage Repair; Protein phosphorylation; Cancer; Signal Transduction; Kinase; Serine threonine kinases; ATM Signaling Pathway; Cell Biology Developmental Biology; Apoptosis; Cell Cycle; Cell Cycle Control-G1 S Checkpoint;

NCBI AND UNIPROT INFORMATION

NCBI GI #	166295194
NCBI GeneID	1111
NCBI Accession #	NP_001107593.1
NCBI GenBank Nucleotide #	NM_001114121.2
UniProt Accession #	O14757; A8K934; B4DDD0; B4DSK3; B5BTY6; F5H7S4; H2BI51
Molecular Weight	Calculated MW: 54kDa Observed MW: 56kDa
UniProt Protein Name	Serine/threonine-protein kinase Chk1
UniProt Gene Name	**CHEK1**
UniProt Synonym Gene Names	CHK1
UniProt Entry Name	CHK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/monoclonal/chk1-s345-antibody-western-blot-elisa/283111