

Rabbit Chk1 Polyclonal Antibody | anti-CHK1 antibody

Phospho-Chk1 (Ser317) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30948	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

Chk1; Polyclonal Antibody; Phospho-Chk1 (Ser317) Antibody; C85740; Cell cycle checkpoint kinase; Checkpoint; S. pombe; homolog of; 1; Checkpoint kinase 1; Checkpoint kinase 1 homolog (S. pombe); CHEK 1; Chk1; Chk 1; CHK1 checkpoint homolog (S. pombe); CHK1_HUMAN; EC 2.7.11.1; rad27; Serine/threonine protein kinase Chk1; Serine/threonine-protein kinase CHK1; STT3; subunit of the oligosaccharyltransferase complex; homolog A (S. cerevisiae); anti-CHK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Chk1 (Ser317) antibody detects endogenous levels of Chk1 only when phosphorylated at Serine 317
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CHK1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:500 IF/ICC: 1:100-1:500 ELISA(peptide): 1:20000-1:40000 IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human Chk1 around the phosphorylation site of Ser317.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA30948 at 1/100 staining rat liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemistry)

AAA30948 at 1/100 staining rat spleen tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



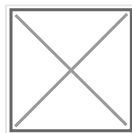
IHC (Immunohistochemistry)

AAA30948 at 1/100 staining rat kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



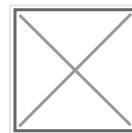
IHC (Immunohistochemistry)

AAA30948 at 1/100 staining human appendiceal tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemistry)

AAA30948 at 1/100 staining human lymphoid tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IHC (Immunohistochemistry)

AAA30948 at 1/100 staining human vascular cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CHK1 antibody	Description: DNA damage induced protein phosphorylation; regulation of mitotic centrosome separation; regulation of S phase; peptidyl-threonine phosphorylation; DNA repair; chromatin-mediated maintenance of transcription; negative regulation of mitosis.
References	Jiang X, Wang J, Xing L, Shen H, Lian W, Yi L, Zhang D, Yang H, Liu J, Zhang X; Journal: Arch Toxicol. Sterigmatocystin-induced checkpoint adaptation depends on Chk1 in immortalized human gastric epithelial cells in vitro.

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	56 kDa
NCBI Official Full Name	serine/threonine-protein kinase Chk1 isoform 1
NCBI Official Synonym Full Names	checkpoint kinase 1
NCBI Official Symbol	CHEK1
NCBI Official Synonym Symbols	CHK1
NCBI Protein Information	serine/threonine-protein kinase Chk1
UniProt Protein Name	Serine/threonine-protein kinase Chk1
UniProt Gene Name	CHEK1
UniProt Synonym Gene Names	CHK1

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.