

Rabbit Chk1 Monoclonal Antibody | anti-Chk1 antibody

Chk1 (Phospho-S296) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA311027	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot

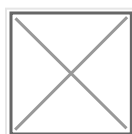
PRODUCT SYNONYMS

Chk1; Monoclonal Antibody; Chk1 (Phospho-S296) Antibody; C85740 antibody; Cell cycle checkpoint kinase antibody; Checkpoint; S. pombe; homolog of; 1 antibody; Checkpoint kinase 1 antibody; Checkpoint kinase 1 homolog (S. pombe) antibody; CHEK 1 antibody; Chk1 antibody; Chk 1 antibody; Chk1 antibody; CHK1 checkpoint homolog (S. pombe) antibody; CHK1_HUMAN antibody; EC 2.7.11.1 antibody; rad27 antibody; Serine/threonine protein kinase Chk1 antibody; Serine/threonine-protein kinase CHK1 antibody; STT3; subunit of the oligosaccharyltransferase complex; homolog A (S. cerevisiae) antibody; anti-Chk1 antibody

PRODUCT SPECIFICATIONS

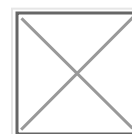
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SN06-50
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-Chk1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Ser296 of human Chk1
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-phospho-Chk1 (S296) antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-phospho-Chk1 (S296) antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-Chk1 antibody	Cell cycle events are regulated by the sequential activation and deactivation of cyclin dependent kinases (Cdks) and by proteolysis of cyclins. Chk1 and Chk2 are involved in these processes as regulators of Cdks. Chk1 and Chk2 both function as essential components in the G2 DNA damage checkpoint by phosphorylating Cdc25C in response to DNA damage. Phosphorylation inhibits Cdc25C activity, thereby blocking mitosis. Cdc25A, Cdc25B and Cdc25C protein tyrosine phosphatases function as mitotic activators by dephosphorylating Cdc2 p34 on regulatory tyrosine residues. It has also been shown that Chk1 can phosphorylate Wee1 in vitro, providing evidence that the hyperphosphorylated form of Wee1, seen in cells delayed by Chk1 overexpression, is due to phosphorylation by Chk1.
Product Categories/Family for anti-Chk1 antibody	Phospho-specific Ab

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	54,434 Da
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; Chk1-S; checkpoint kinase-1; CHK1 checkpoint homolog; cell cycle checkpoint kinase; Checkpoint, S. pombe, homolog of, 1
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://stage.aaabiotech.com/monoclonal/chk1-antibody-clone-sn06-50-flow-cytometry-immunohistochemistry-immunofluorescence-immunocytochemistry-western-blot-elisa/311027>