

Goat anti-Human Chk1 Polyclonal Antibody | anti-Chk1 antibody

Goat anti-Chk1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210796	Goat	Human	Immunoprecipitation, Western Blot

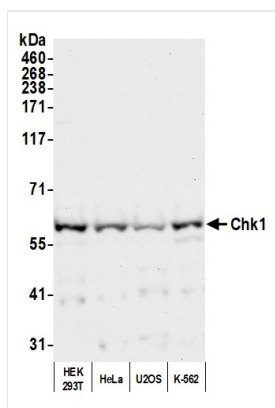
PRODUCT SYNONYMS

Chk1; Polyclonal Antibody; Goat anti-Chk1 Antibody; Affinity Purified; cell cycle checkpoint kinase; serine/threonine-protein kinase Chk1; Chk1-S; CHK1 checkpoint homolog; CHK1; Checkpoint kinase-1; Checkpoint; S. pombe; homolog of; 1; Serine/threonine-protein kinase Chk1; checkpoint kinase 1; anti-Chk1 antibody

PRODUCT SPECIFICATIONS

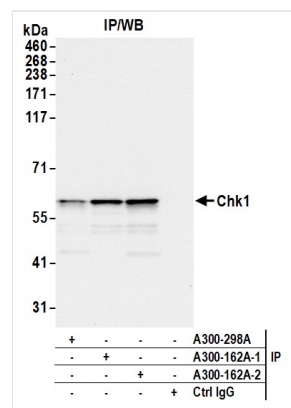
Host	Goat
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-Chk1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 250 and 300
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human Chk1 by western blot. Samples: Whole cell lysate (50 ug) from HEK293T and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified goat anti-Chk1 antibody AAA210796 (lot AAA210796-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human Chk1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified goat anti-Chk1 antibody (AAA210796 lot 2) used for IP at 6 ug per reaction. Chk1 was also immunoprecipitated by a previous lot of this antibody (AAA210796 lot 1) and a second antibody against a different epitope of Chk1. For blotting immunoprecipitated Chk1, AAA210796 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-Chk1 antibody	Chk1 functions as a checkpoint protein kinase that is critical to the regulation of the Cdc25a and Cdc25c phosphatases that promote S and G2/M phase progression, respectively. Chk1 kinase activity inhibits cell cycle progression in the presence of DNA damage by phosphorylating Cdc25a and Cdc25c and causing the degradation of Cdc25a and cytoplasmic sequestration of Cdc25c.
Product Categories/Family for anti-Chk1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502803
NCBI GeneID	1111
NCBI Accession #	NP_001265.1
NCBI GenBank Nucleotide #	NM_001274.3
UniProt Accession #	O14757; A8K934; B4DDD0; B4DSK3; B5BTY6; F5H7S4; H2BI51
Molecular Weight	50,415 Da
NCBI Official Full Name	CHK1 checkpoint homolog
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
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/polyclonal/chk1-antibody-immunoprecipitation-western-blot-elisa/210796>