

Rabbit CDK1-Y15 Antibody | anti-CDK1 antibody

Phospho-CDK1-Y15 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36660	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot

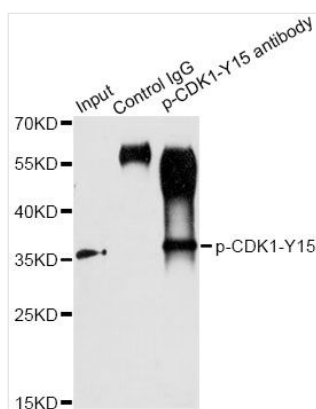
PRODUCT SYNONYMS

CDK1-Y15; Phospho-CDK1-Y15 Polyclonal Antibody; Phospho-CDK1-Y15: CDC2; CDC28A; P34CDC2; anti-CDK1 antibody

PRODUCT SPECIFICATIONS

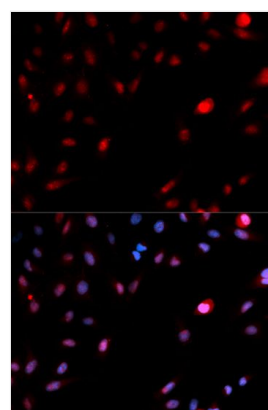
Host	Rabbit
Reactivity	Human, Mouse, Rat
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	297
Applicable Applications for anti-CDK1 antibody	IF (Immunofluorescence), WB (Western Blot)
Species	Human
Route	Synthetic Peptide
Immunogen	A phospho specific peptide corresponding to residues surrounding Y15 of human CDK1
Calculated Molecular Weight	34kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



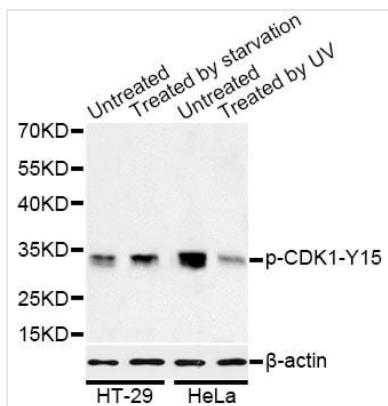
IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HT-29 cells treated by starvation using 2.5ug Phospho-CDK1-Y15 antibody. Western blot was performed from the immunoprecipitate using Phospho-CDK1-Y15 antibody at a dilution of 1:1000.



IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells using Phospho-CDK1-Y15 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of HT-29 and HeLa cells, using Phospho-CDK1-Y15 antibody at 1:1000 dilution. HT-29 cells were treated by serum-starvation overnight. HeLa cells were treated by UV for 15-30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit. Exposure time: 1min.

ADDITIONAL INFORMATION

Related Product Information for anti-CDK1 antibody	The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is a catalytic subunit of the highly conserved protein kinase complex known as M-phase promoting factor (MPF), which is essential for G1/S and G2/M phase transitions of eukaryotic cell cycle. Mitotic cyclins stably associate with this protein and function as regulatory subunits. The kinase activity of this protein is controlled by cyclin accumulation and destruction through the cell cycle. The phosphorylation and dephosphorylation of this protein also play important regulatory roles in cell cycle control. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-CDK1 antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	334302921
NCBI GeneID	983
UniProt Accession #	P06493 ; O60764 ; A8K7C4 ; C9J497
Molecular Weight	297
NCBI Official Full Name	Cyclin-dependent kinase 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 1
NCBI Official Symbol	CDK1
NCBI Official Synonym Symbols	CDC2; CDC28A; P34CDC2
NCBI Protein Information	cyclin-dependent kinase 1; p34 protein kinase; cell cycle controller CDC2; cell division protein kinase 1; cell division control protein 2 homolog; cell division cycle 2, G1 to S and G2 to M
UniProt Protein Name	Cyclin-dependent kinase 1
UniProt Gene Name	CDK1
UniProt Synonym Gene Names	CDC2; CDC28A; CDKN1; P34CDC2; CDK1
UniProt Entry Name	CDK1_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.

