

## CDK2(Phospho-Thr160) Antibody

Catalog No: #11133

Package Size: #11133-1 50ul #11133-2 100ul

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## Description

Product Name	CDK2(Phospho-Thr160) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of CDK2 only when phosphorylated at threonine 160.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 160 (T-Y-T(p)-H-E) derived from Human CDK2.
Target Name	CDK2
Modification	Phospho
Other Names	kinase Cdk2; p33 protein kinase;
Accession No.	Swiss-Prot: P24941NCBI Protein: NP_001789.2
Uniprot	P24941
GeneID	1017;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

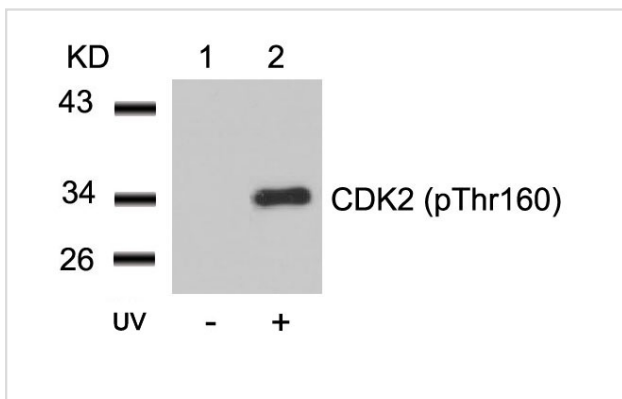
## Application Details

Predicted MW: 34kd

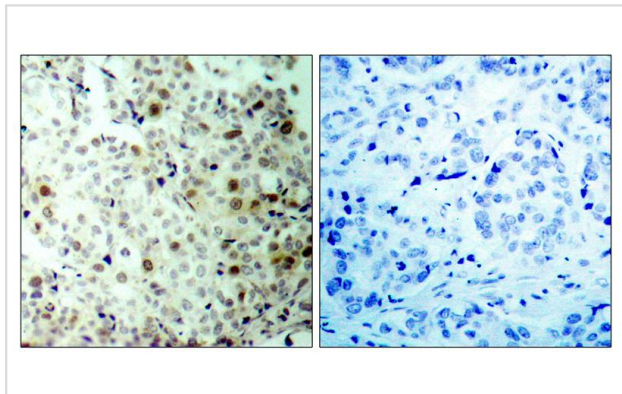
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from HeLa cells untreated(lane 1) or treated with UV(lane 2) using CDK2(Phospho-Thr160) Antibody #11133.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CDK2(Phospho-Thr160) Antibody #11133(left) or the same antibody preincubated with blocking peptide(right).

## Background

Involved in the control of the cell cycle. Interacts with cyclins A, B1, B3, D, or E. Activity of CDK2 is maximal during S phase and G2.

Ukomadu C, et al.(2003) J Biol Chem; 278(7): 4840-6.

Morris MC, et al.(2002) J Biol Chem; 277(26): 23847-53.

Brown NR, et al.(1999) J Biol Chem; 274(13): 8746-56.

Liu Y, et al.(2004) J Biol Chem; 279(6): 4507-14.

Note: This product is for in vitro research use only