

CDK2(Phospho-Thr160) Antibody

Catalog No: #11133

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

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

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 ²⁺ and Ca ²⁺), 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.

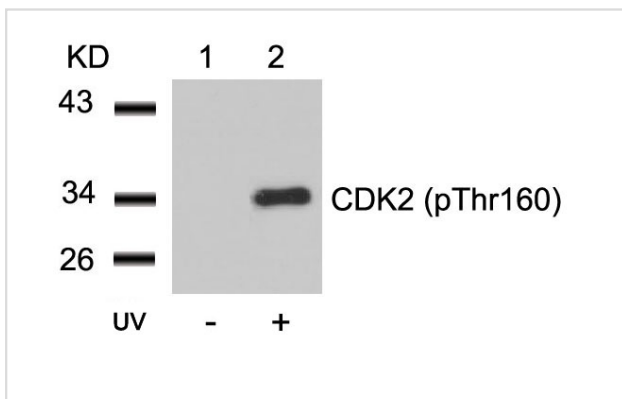
Application Details

Predicted MW: 34kd

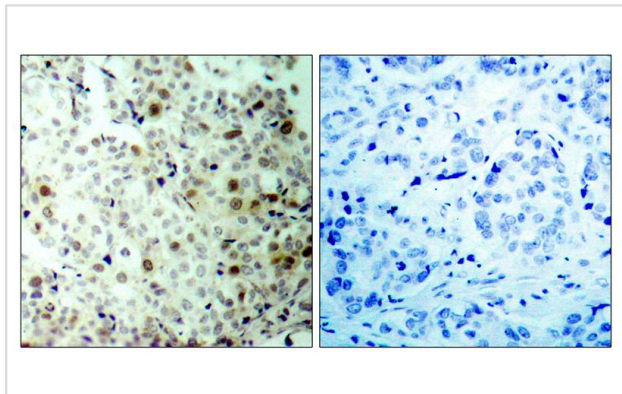
Western blotting: 1:500~1:1000

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