CDK2(Phospho-Thr160) Antibody

Catalog No: #11133

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

Orders: order@signalwayantibody.com
Support: 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 chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
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.
Conjugates	Unconjugated
Target Name	CDK2
Modification	Phospho
Other Names	kinase Cdk2; p33 protein kinase;
Accession No.	Swiss-Prot: P24941NCBI Protein: NP_001789.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.

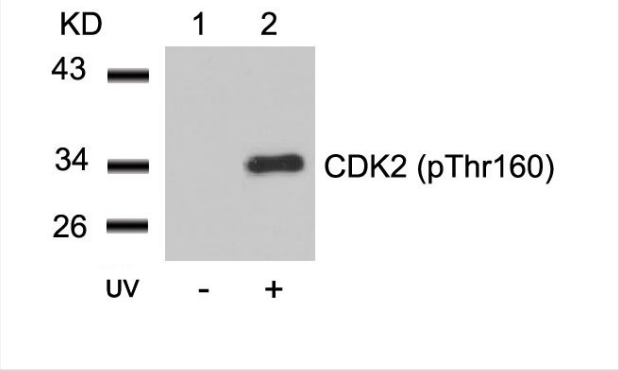
Application Details

Predicted MW: 34kd

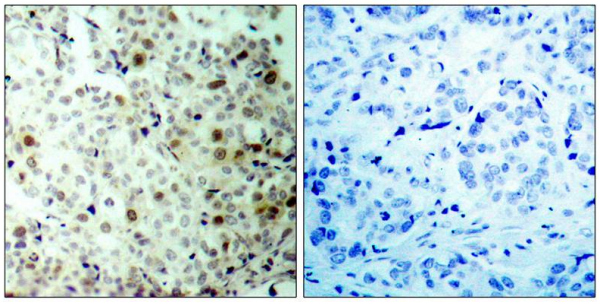
Western blotting: 1:500~1:1000

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.

Published Papers

el at., Pro-Apoptotic Effects of JDA-202, a Novel Natural Diterpenoid, on Esophageal Cancer Through Targeting Peroxiredoxin I.In Antioxid Redox Signal on 2017 Jul 10 by Xiao-Jing Shi , Lina Ding,et al..PMID: 27650197, , (2017)

PMID:27650197

el at., Jaridonin-induced G2/M Phase Arrest in Human Esophageal Cancer Cells Is Caused by Reactive Oxygen Species-Dependent Cdc2-tyr15 Phosphorylation via ATM-Chk1/2-Cdc25C Pathway .In Toxicol Appl Pharmacol on 2015 Jan 15 by Yong-Cheng Ma , Nan Su et al..PMID:25450480, , (2015)

PMID:25450480

Note: This product is for in vitro research use only and is not intended for use in humans or animals.