Product Datasheet

p27Kip1 Antibody

Catalog No: #21150

Package Size: #21150-1 50ul #21150-2 100ul

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

Description

Product Name	p27Kip1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total p27Kip1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.8~12 (N-G-S-P-S) derived from Human p27Kip1.
Conjugates	Unconjugated
Target Name	p27Kip1
Other Names	CDKN1B; CDN1B; Cyclin-dependent kinase inhibitor 1B; Cyclin-dependent kinase inhibitor p27; KIP1
Accession No.	Swiss-Prot: P46527NCBI Protein: NP_004055.1
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.

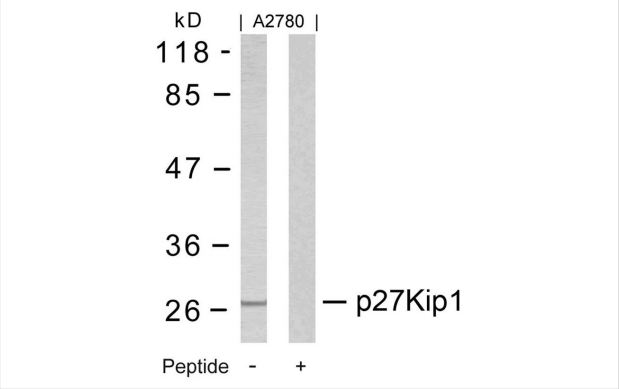
Application Details

Predicted MW: 27kd

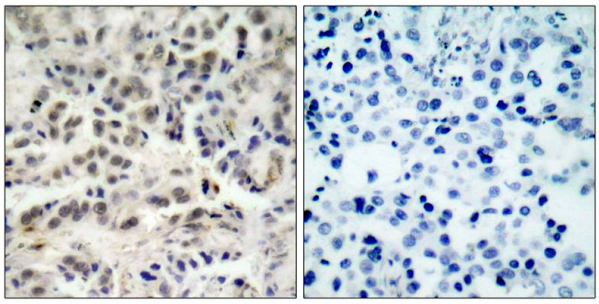
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from A2780 cells using p27Kip1(Ab-10) Antibody



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using p27Kip1(Ab-10) Antibody

Background

Important regulator of cell cycle progression. Involved in G1 arrest. Potent inhibitor of cyclin E- and cyclin A-CDK2 complexes. Positive regulator of cyclin D-dependent kinases such as CDK4. Regulated by phosphorylation and degradation events.

Le XF, et al. (2003)J Biol Chem.

Connor MK, et al. (2003)Mol Biol Cell; 14(1): 201-13.

McAllister SS, et al. (2003) Mol Cell Biol; 23(1): 216-28.

Chopra S, et al. (2002)J Biol Chem; 277(36): 32413-6.

Boehm M, et al. (2002)EMBO J; 21(13): 3390-401.

Published Papers

Fan Yang, Yu-Ping Xu el at., Cloning and Characterization of a Novel Intracellular Protein p48.2 that Negatively Regulates Cell Cycle Progression., The International Journal of Biochemistry & Cell Biology, 41 (11): 2240η— C2250(2009)

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