p21Cip1(Phospho-Thr145) Antibody

Catalog No: #11206

Package Size: #11206-1 50ul #11206-2 100ul

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

Description

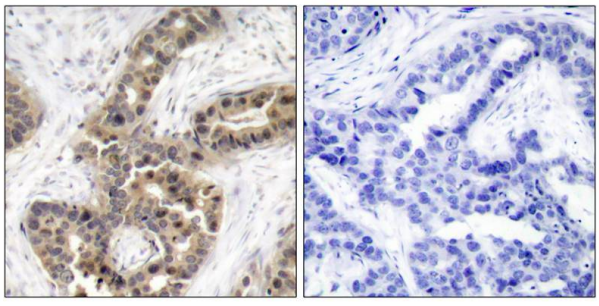
Product Name	p21Cip1(Phospho-Thr145) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of p21Cip1 only when phosphorylated at threonine 145.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 145 (R-Q-T(p)-S-M) derived from Human p21Cip1.
Target Name	p21Cip1
Modification	Phospho
Other Names	CAP20; CDK-interacting protein 1; CDKN1; CDKN1A; CDN1A
Accession No.	Swiss-Prot: P38936NCBI Protein: NP _000380.1
Uniprot	P38936
GeneID	1026;
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: 21kd

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p21Cip1(Phospho-Thr145) Antibody #11206(left) or the same antibody preincubated with blocking peptide(right).

Background

May be the important intermediate by which p53 mediates its role as an inhibitor of cellular proliferation in response to DNA damage. Binds to and inhibits cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase substrates and blocking cell cycle progression.

Ocker M Int,et al. (2007)J Biochem Cell Biol. 39(7-8):1367-74.
Dangi S, et al.(2006)Cell Prolif. 39(4):261-79.
Chen J,et al.(2006)Am J Physiol Heart Circ Physiol. 290(4):H1575-86

Note: This product is for in vitro research use only