



Phospho-CDKN1A (Thr145) Antibody

Product Code	CSB-PA074462
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P38936
Immunogen	Peptide sequence around phosphorylation site of threonine 145 (R-Q-T(p)-S-M) derived from Human p21Cip1.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous level of p21Cip1 only when phosphorylated at threonine 145.
Tested Applications	ELISA,IHC;IHC:1:50-1:100
Relevance	<p>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.</p> <p>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</p>
Form	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.
Purification Method	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
Clonality	Polyclonal
Alias	CAP20; CDK-interacting protein 1; CDKN1; CDKN1A; CDN1A
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	CDKN1A
Image	 <p>Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p21Cip1(Phospho-Thr145) Antibody(left) or the same antibody preincubated with blocking peptide(right).</p>
Product Modify	Phospho-Thr145