

## anti-Human p21 Cip1 Antibody | anti-p21 Cip1 antibody

p21 Cip1 (Phospho-Thr145) Antibody

|                               |                            |                                                                  |
|-------------------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA267781</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------|------------------------------------------------------------------|

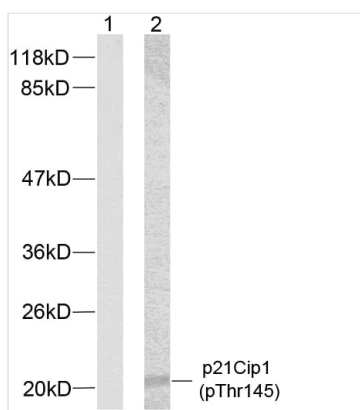
### PRODUCT SYNONYMS

p21 Cip1; p21 Cip1 (Phospho-Thr145) Antibody; anti-p21 Cip1 antibody

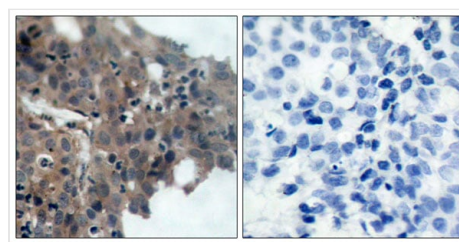
### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                         | Human                                                                                                                                                                                                                                               |
| Specificity                                        | p21Cip1 (phospho-Thr145) antibody detects endogenous levels of p21Cip1 only when phosphorylated at threonine 145.                                                                                                                                   |
| Purity/Purification                                | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                        | In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                      |
| Sequence Length                                    | 164                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-p21 Cip1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                |
| Immunogen                                          | The antiserum was produced against synthesized phosphopeptide derived from human p21Cip1 around the phosphorylation site of threonine 145 (R-Q-TP-S-M).                                                                                             |
| Preparation and Storage                            | Store at -20 degree C for 1 year                                                                                                                                                                                                                    |

### IMAGES


**WB (Western Blot)**

Western blot analysis of extracts from HeLa cells using p21Cip1 (phospho-Thr145) antibody.


**IHC (Immunohistochemistry)**

P-Peptide-+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p21Cip1 (phospho-Thr145) antibody.

### ADDITIONAL INFORMATION

|            |                                                                                                                                                                      |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Rössig L, et al. (2002) J Biol Chem 277(12): 9684-9689. Rössig L, et al. (2001) Mol Cell Biol 21(16): 5644-5657. Zhou BP, et al. (2001) Nat Cell Biol 3(3): 245-252. |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 11386203                                            |
| NCBI GeneID                      | 1026                                                |
| NCBI Accession #                 | NP_000380.1                                         |
| NCBI GenBank Nucleotide #        | NM_000389.4                                         |
| UniProt Accession #              | P38936; Q14010; Q6FI05; Q9BUT4                      |
| Molecular Weight                 | 18,119 Da                                           |
| NCBI Official Full Name          | cyclin-dependent kinase inhibitor 1 isoform 1       |
| NCBI Official Synonym Full Names | cyclin dependent kinase inhibitor 1A                |
| NCBI Official Symbol             | CDKN1A                                              |
| NCBI Official Synonym Symbols    | P21; CIP1; SDI1; WAF1; CAP20; CDKN1; MDA-6; p21CIP1 |
| NCBI Protein Information         | cyclin-dependent kinase inhibitor 1                 |
| UniProt Protein Name             | Cyclin-dependent kinase inhibitor 1                 |
| UniProt Gene Name                | <b>CDKN1A</b>                                       |
| UniProt Synonym Gene Names       | CAP20; CDKN1; CIP1; MDA6; PIC1; SDI1; WAF1; MDA-6   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-antibody/p21-cip1/267781>