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**Product Name: Phospho-p27 Kip 1 (Ser10) Rabbit Monoclonal Antibody****Catalog #: AMRe84871**

For research use only.

**Summary**

|                      |  |
|----------------------|--|
| <b>Description</b>   | Recombinant rabbit monoclonal antibody   |
| <b>Host</b>          | Rabbit   |
| <b>Application</b>   | WB,IHC,IP  |
| <b>Reactivity</b>    | Human,Mouse,Rat  |
| <b>Conjugation</b>   | Unconjugated   |
| <b>Modification</b>  | Phosphorylated   |
| <b>Isotype</b>       | IgG  |
| <b>Clonality</b>     | Monoclonal   |
| <b>Form</b>          | Liquid   |
| <b>Concentration</b> | 0.5mg/ml. The concentration of this product may be batch-dependent.                        |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                |
| <b>Shipping</b>      | Ice bags   |
| <b>Buffer</b>        | Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol. |
| <b>Purification</b>  | Affinity Purification  |

**Application**

|                         |   |
|-------------------------|---|
| <b>Dilution Ratio</b>   | WB 1:500-1:1000,IHC 1:50-1:100,IP 1:10-1:20 |
| <b>Molecular Weight</b> | Calculated MW: 22 kDa; Observed MW: 27 kDa  |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | Phospho-p27 Kip 1 (Ser10)   |
| <b>Alternative Names</b> | CDKN1B; KIP1; Cyclin-dependent kinase inhibitor 1B; Cyclin-dependent kinase inhibitor p27;<br>p27Kip1 |
| <b>Gene ID</b>           | 1027.0  |
| <b>SwissProt ID</b>      | P46527  |
| <b>Immunogen</b>         | A synthetic phosphopeptide corresponding to residues surrounding Ser10 of human p27 KIP<br>1          |

**Background**

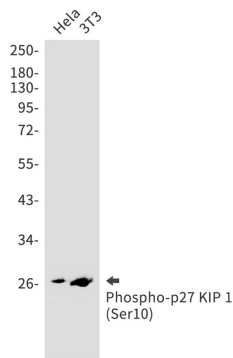
The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the

cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state.

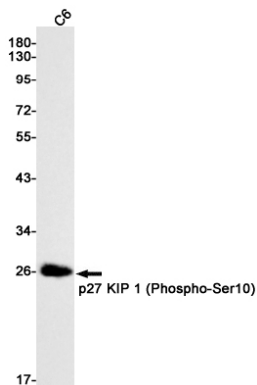
## Research Area

PI3K-Akt signaling pathway

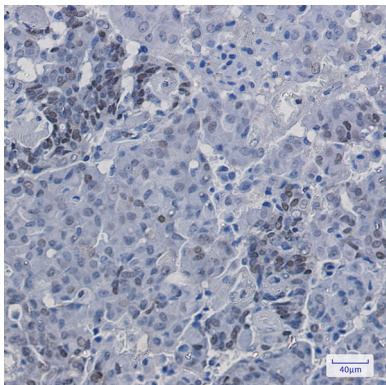
## Image Data



Western blot analysis of Phospho-p27 KIP 1 (Ser10) in HeLa, 3T3 lysates using Phospho-p27 KIP 1 (Ser10) antibody.



Western blot analysis of Phospho-p27 KIP 1 (Ser10) in C6 lysates using Phospho-p27 KIP 1 (Ser10) antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using p27 KIP 1 (Phospho-Ser10) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.