

**Product Name: Phospho-p27 Kip 1 (Ser10) Rabbit  
Monoclonal Antibody  
Catalog #: AMRe02381**

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## Summary

<b>Production Name</b>	Phospho-p27 Kip 1 (Ser10) Rabbit Monoclonal Antibody
<b>Description</b>	Recombinant Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-P,IP
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	CDKN1B
<b>Alternative Names</b>	CDKN1B; KIP1; Cyclin-dependent kinase inhibitor 1B; Cyclin-dependent kinase inhibitor p27; p27Kip1
<b>Gene ID</b>	1027
<b>SwissProt ID</b>	P46527

## Application

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

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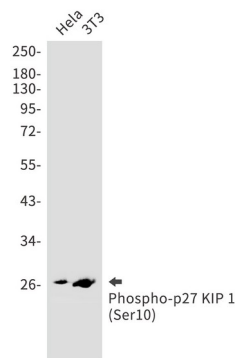
## Background

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.

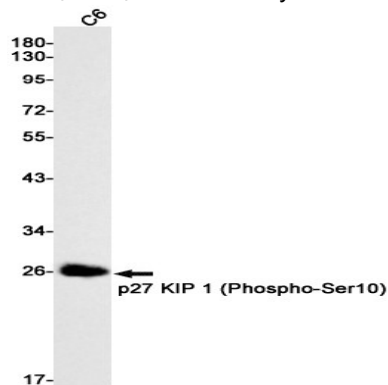
## Research Area

Cell Biology

## Image Data



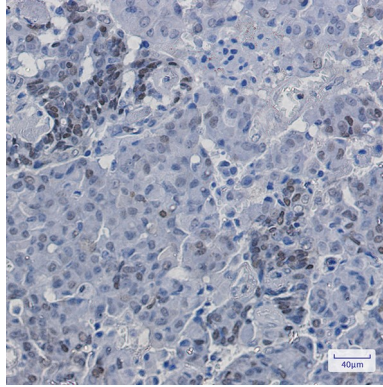
Western blot analysis of Phospho-p27 KIP 1 (Ser10) in HeLa, 3T3 lysates using Phospho-p27 KIP 1 (Ser10) antibody.



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

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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.

**Note**

For research use only.