

## PHOSPHO-P27 KIP 1 (SER10) RABBIT MAB

**Cat.#:** N262651

**Product Name:** Anti-Phospho-p27 Kip 1 (Ser10) Rabbit Monoclonal Antibody

**Synonyms:** CDKN1B; KIP1; Cyclin-dependent kinase inhibitor 1B; Cyclin-dependent kinase inhibitor p27; p27Kip1

**UNIPROT ID:** P46527

**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.

**Immunogen:** A synthetic phosphopeptide corresponding to residues surrounding Ser10 of human p27 KIP 1

**Applications:** WB,IHC-P,IP

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R05-4F1

**MW:** Calculated MW: 22 kDa; Observed MW: 27 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human,Mouse,Rat

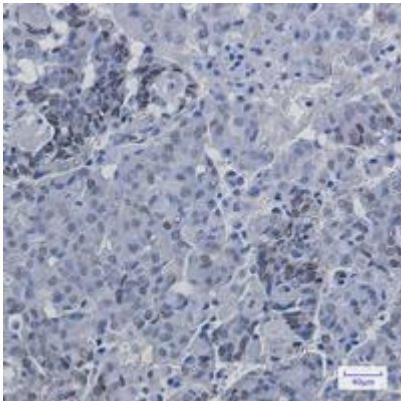
**Conjugation:** Unconjugated

**Modification:** Phosphorylated

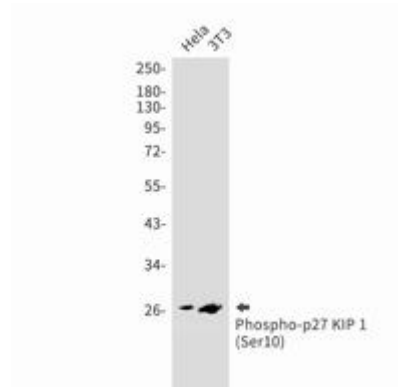
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Cell Biology

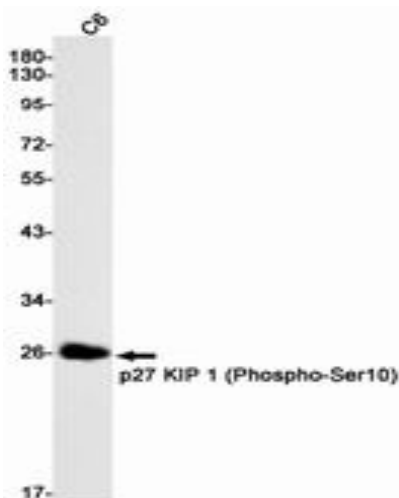
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



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.



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.