

## Phospho-p27 Kip1 ( Ser10) Rabbit Polyclonal Antibody

### Catalog #: EAB14496

| Host/Isotype | Clonality  | Applications | MW (kDa) | Reactivity        |
|--------------|------------|--------------|----------|-------------------|
| Rabbit IgG   | Polyclonal | WB, ELISA    | 22       | Human, Mouse, Rat |

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|  |              |
|--|--------------|
| <b>WB</b> (Western Blotting)                     | 1:500-2000   |
| <b>ELISA</b> (Enzyme-linked Immunosorbent Assay) | 1:5000-20000 |

### Product Information

|                       |   |
|-----------------------|---|
| <b>Conjugate</b>      | Unconjugate   |
| <b>Specificity</b>    | Phospho-p27 Kip1 (Ser10) Rabbit Polyclonal Antibody detects endogenous levels of p27 Kip1 only when phosphorylated at Ser10.              |
| <b>Purification</b>   | Affinity purification   |
| <b>Concentration</b>  | 1mg/ml  |
| <b>Format</b>         | Liquid  |
| <b>Formulation</b>    | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol  |
| <b>Shipping</b>       | Gel Pack  |
| <b>Storage</b>        | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles.<br>Aliquots may be stored at +4°C for 1-2 weeks |
| <b>UniProt ID</b>     | <a href="#">P46527</a>  |
| <b>Entrez-Gene Id</b> | <a href="#">1027</a>  |

### Product Description

This gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. 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. Mutations in this gene are associated with multiple endocrine neoplasia type IV (MEN4).

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