

## Product datasheet for **TA364437S**

### p27 KIP 1 (CDKN1B) Rabbit Polyclonal Antibody

#### Product data:

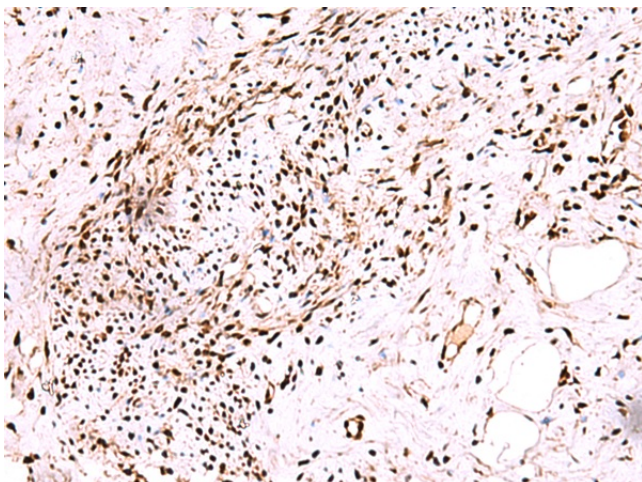
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-300 Positive control: Human cervical cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human CDKN1B
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Gene Name:	cyclin-dependent kinase inhibitor 1B
Database Link:	<a href="#">Entrez Gene 1027 Human P46527</a>

**Background:** 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).

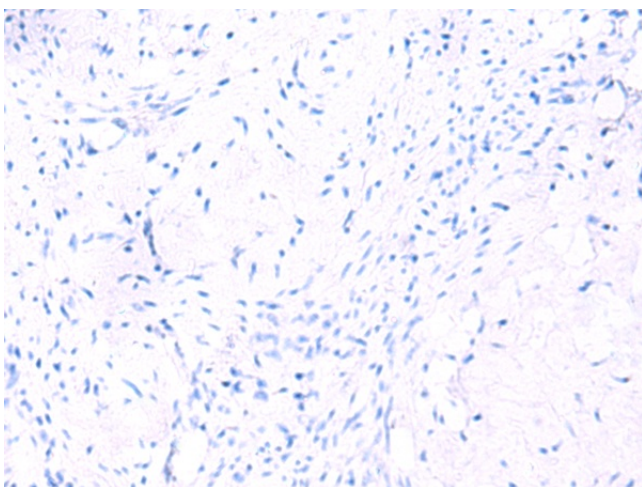
**Synonyms:** CDKN4; KIP1; MEN1B; MEN4; P27KIP1



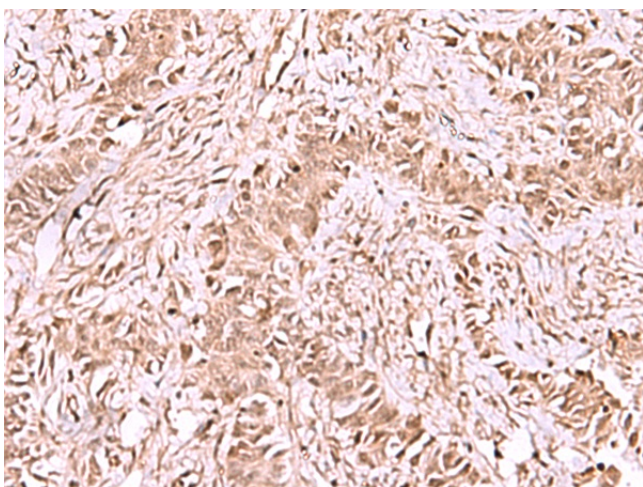
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**Product images:**

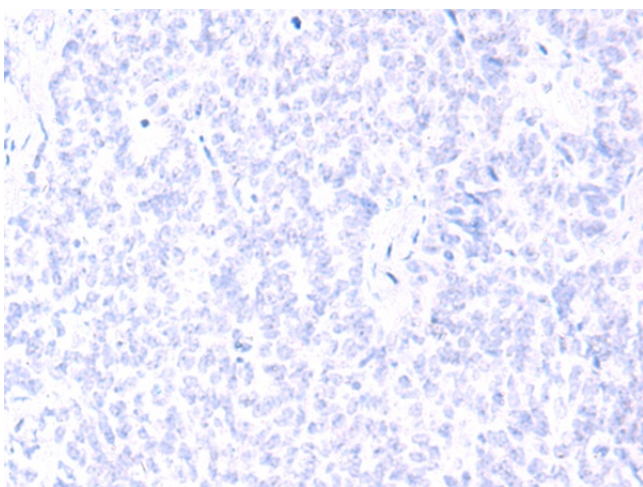
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA364437] (CDKN1B Antibody) at dilution 1/75 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA364437] (CDKN1B Antibody) at dilution 1/75, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA364437] (CDKN1B Antibody) at dilution 1/75 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA364437] (CDKN1B Antibody) at dilution 1/75, treated with fusion protein. (Original magnification:  $\times 200$ )