

Product datasheet for TA302712

OriGene Technologies, Inc.

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p27 KIP 1 (CDKN1B) Goat Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: ELISA: 1:32,000. WB: 1-3µg/ml.

Reactivity: Human (Expected from sequence similarity: Mouse, Rat, Cow, Dog)

Host: Goat Isotype: IgG

Clonality: Polyclonal

Immunogen: Peptide with sequence C-EQTPKKPGLRRRQT, from the C Terminus of the protein sequence

according to NP_004055.1.

Formulation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

Concentration: lot specific

Purification: Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20 $^{\circ}$ C. Minimize

freezing and thawing.

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Gene Name: cyclin-dependent kinase inhibitor 1B

Database Link: NP 004055

Entrez Gene 12576 MouseEntrez Gene 83571 RatEntrez Gene 403429 DogEntrez Gene 1027

<u>Human</u> <u>P46527</u>





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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. [provided by RefSeq]

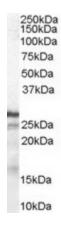
Synonyms: CDKN4; KIP1; MEN1B; MEN4; P27KIP1

Protein Families: Druggable Genome

Protein Pathways: Cell cycle, Chronic myeloid leukemia, ErbB signaling pathway, Pathways in cancer, Prostate

cancer, Small cell lung cancer

Product images:



TA302712 (1ug/ml) staining of Human Breast lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by

chemiluminescence.