



## UK Office

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diagnostic or therapeutic use.**

## EB05061-T - Goat Anti-P27KIP1 / CDKN1B (C Terminus) Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** CDKN1B, P27KIP1, cyclin-dependent kinase inhibitor 1B (p27, Kip1), KIP1, CDKN4, cyclin-dependent kinase inhibitor 1B, p27(KIP1), KIP1, p27, MEN1B, MEN4, P27KIP1

**Official Symbol:** CDKN1B

**Accession Number(s):** NP\_004055.1

**Human GeneID(s):** [1027](#)

**Non-Human GeneID(s):** 12576 (mouse), 83571 (rat)

### Immunogen

Peptide with sequence C-EQTPKKPGLRRRQT, from the C Terminus of the protein sequence according to NP\_004055.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

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°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 26-27kDa band observed in Human Breast and Prostate lysates (calculated MW of 22.1kDa according to NP\_004055.1). The observed molecular weight corresponds to earlier findings in literature (Xia et al, Proc Natl Acad Sci U S A. 2005 Sep 27;102(39):14028-33; PMID: 16169901). Recommended concentration: 0.5-1.5µg/ml.

**Immunoprecipitation:** This antibody was deemed fit for IP under native conditions (observations from anonymous customer).

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Cow, Dog



EB05061 (0.5 $\mu$ g/ml) staining of Human Breast lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.