

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07131 - Goat Anti-P27KIP1 / CDKN1B (internal) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

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

**Official Symbol:** CDKN1B

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

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

### Immunogen

Peptide with sequence C-KRPATDDSSSTQNK, from the internal region 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 26kDa band observed in lysates of Human Prostate and of Hepatoblastoma cell line HepG2 (calculated MW of 22.1kDa according to NP\_004055.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Xia et al, Proc Natl Acad Sci U S A. 2005 Sep 27;102(39):14028-33; PMID: 16169901). Recommended concentration: 0.1-0.3µg/ml.

**IHC:** In paraffin embedded Human Prostate shows nuclear staining of secretory cells. Recommended concentration, 5-10µg/ml.

### Species Reactivity

**Tested:** Human

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

EB07131 (0.1µg/ml) staining of Human Prostate lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB07131 (5µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.