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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 GenelD(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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

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