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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. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Prostate and Spleen. Recommended concentration: 5µg/ml.

Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

Species Reactivity

Tested: Human

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

Specific Reference

This antibody has been successfully used in the following paper:

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdigen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen

A high-throughput pipeline for validation of antibodies

Nat Methods. 2018 Nov;15(11):909-912

PMID: 30377371

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

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

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