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

EB08317 - Goat Anti-DNMT1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: DNMT1, DNA (cytosine-5-)-methyltransferase 1, CXXC9, DNMT, FLJ16293, MCMT, MGC104992, DNA methyltransferase 1

Official Symbol: DNMT1

Accession Number(s): NP_001370.1

Human GeneID(s): [1786](#)

Non-Human GeneID(s): 13433 (mouse), 84350 (rat)

Immunogen

Peptide with sequence C-RFESPPKTQPTEDN, from the internal region of the protein sequence according to NP_001370.1 .

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 170kDa band observed in lysates of cell line Jurkat (calculated MW of 183kDa according to NP_001370.1). Recommended concentration: 0.5-1.5µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse for this particular batch.

IHC: In paraffin embedded Human Kidney shows nuclear staining in PCT. Recommended concentration: 3-6µg/ml.

Species Reactivity

Tested: Human

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

EB08317 (0.5µg/ml) staining of Jurkat cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB08317 (3.8µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.