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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 GenelD(s): 13433 (mouse), 84350 (rat)

Immunogen

Peptide with sequence C-RFESPPKTQPTEDN, from the internal egion 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.

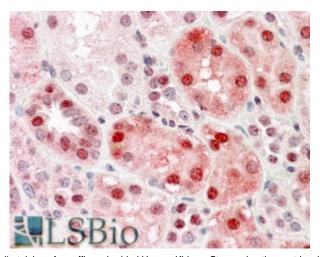
Species Reactivity

Tested: Human

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



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



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