

## UK Office

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

## EB08317-T - Goat Anti-DNMT1 Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** DNMT1, DNA (cytosine-5-)-methyltransferase 1, CXXC9, DNMT, FLJ16293, MGMT, 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.

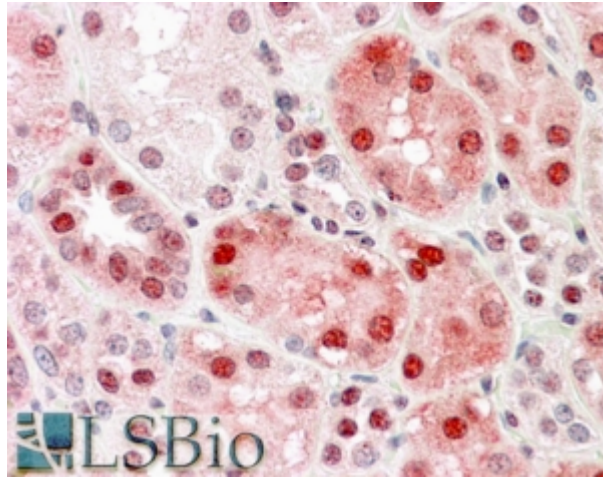
### Species Reactivity

**Tested:** Human

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



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



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