International Office

Everest Biotech Ltd
Vector Laboratories, Inc.
6737 Mowry Ave
Newark, CA 94560
United States

Customer Service:
customerservice@vectorlabs.com
Technical Service:
technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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, 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 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.

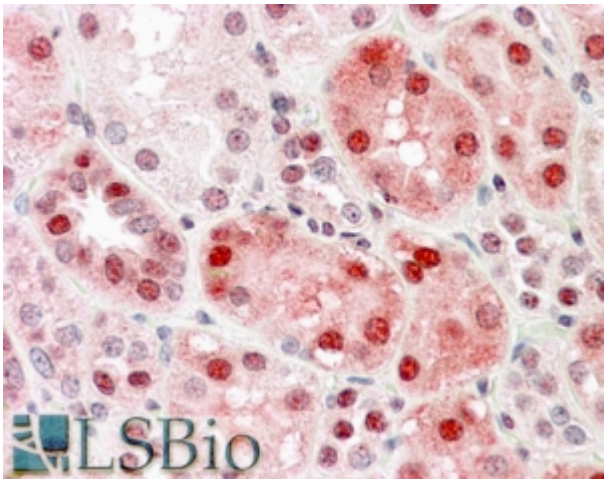
Applications Tested

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 (0.5µg/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.