

Goat anti-DNMT1 Antibody

Item Number	dAP-1357
Target Molecule	Principle Name: DNMT1; Official Symbol: DNMT1; All Names and Symbols: DNMT1; DNA (cytosine-5-)-methyltransferase 1; CXXC9; DNMT; FLJ16293; MCMT; MGC104992; DNA methyltransferase 1; Accession Number (s): NP_001370.1 ; Human Gene ID(s): 1786; Non-Human GeneID(s): 13433 (mouse) 84350 (rat)
Immunogen	RFESPPKTQPTEDN, is from internal egion
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	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.
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows nuclear staining in PCT. Recommended concentration, 3-6µg/ml.
Reference	Reference(s): Dion V, Lin Y, Hubert L Jr, Waterland RA, Wilson JH. Dnmt1 deficiency promotes CAG repeat expansion in the mouse germline. Hum Mol Genet. 2008 May 1;17(9):1306-17. Epub 2008 Feb 5..PMID: 18252747->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**