

Goat anti-MTHFD1 Antibody

Item Number	dAP-1649
Target Molecule	Principle Name: MTHFD1; Official Symbol: MTHFD1 ; All Names and Symbols: MTHFD1 ; methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase ; MTHFC; MTHFD; 5,10-methylenetetrahydrofolate dehydrogenase, 5,10-methylenetetrahydrofolate cyclohydrolase, 1; Accession Number (s): NP_005947.2; Human Gene ID(s): 4522; Non-Human GeneID(s): 108156 (mouse) 64300 (rat)
Immunogen	RGDLNDCFIPCTPK, is from internal region
Applications	Pep ELISA, WB 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 1000.
Western Blot	Western Blot: Approx. 110kDa band observed in Human Brain (substantia nigra) lysates (calculated MW of 102kDa according to NP_005947.2). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.
IHC	
Reference	Reference(s): Dorszewska J, Florczak J, Rozycka A, Kempisty B, Jaroszevska-Kolecka J, Chojnacka K, Trzeciak WH, Kozubski W. Oxidative DNA damage and level of thiols as related to polymorphisms of MTHFR, MTR, MTHFD1 in Alzheimer's and Parkinson's diseases. Acta Neurobiol Exp (Wars). 2007;67

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**