Goat anti-MTHFD1L (aa535-538) Antibody

Item Number	dAP-2382

Target Molecule

Principle Name: MTHFD1L (aa535-538); Official Symbol: MTHFD1L; All Names and Symbols: MTHFD1L; methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like; DKFZp586G1517; FLJ21145; FTH-FSDC1; MTC1THFS; dJ292B18.2; 10-formyl-THF synthetase; formyltetrahydrofolate synthetase domain containing 1; mitochondrial C1-tetrahydrofolate synthase; Accession Number (s): NP_056255.2; Human Gene ID(s): 25902; Non-Human GeneID(s): 270685 (mouse) 361472 (rat)

Immunogen

DTNDRFLRKITIGQ, is from internal region

Applications

Pep ELISA, WB, IHC

Species Tested: Human, Mouse, Rat

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; Reconsititute 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 110kDa band observed in Human Brain (Cerebellum) (calculated MW of 106kDa according to NP_056255.2). The same band is observed in lysates of cell line NIH3T3, Mouse Brain and Rat Brain. Recommended concentration: 0.1-0.3μg/ml.

IHC

Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 5μg/ml.

Reference

Reference(s): Parle-McDermott A, Pangilinan F, O'Brien KK, Mills JL, Magee AM, Troendle J, Sutton M, Scott JM, Kirke PN, Molloy AM, Brody LC, A common variant in MTHFD1L is associated with neural tube defects and mRNA splicing efficiency. Human mutation 2009 Dec 30 (12): 1650-6..PMID: 19777576->

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