

Goat anti-MTHFR Antibody

Item Number	dAP-1940
Target Molecule	Principle Name: MTHFR; Official Symbol: MTHFR; All Names and Symbols: MTHFR; 5,10-methylenetetrahydrofolate reductase (NADPH); OTTHUMP00000002367; OTTHUMP00000002368; methylenetetrahydrofolate reductase intermediate form; Accession Number (s): NP_005948.3; Human Gene ID (s): 4524; Non-Human GeneID(s):
Immunogen	NRPTQNARETEAP, is from C Terminus
Applications	Pep ELISA, 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 16000.
Western Blot	Western Blot: Preliminary experiments gave an approx 28kDa band in Human Brain (Cerebellum), Skeletal Muscle and Placenta lysates after 0.2µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we
IHC	Immunohistochemistry: Paraffin embedded Human Spleen. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Bethke L, Webb E, Murray A, Schoemaker M, Feychting M, Lönn S, Ahlbom A, Malmer B, Henriksson R, Auvinen A, Kiuru A, Salminen T, Johansen C, Christensen HC, Muir K, McKinney P, Hepworth S, Dimitropoulou P, Lophatananon A, Swerdlow A, Houlston R. Functional polymorphisms in folate

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 end users! This product is sold for **Research Use Only**