

Goat anti-MTHFR (aa369-383) Antibody

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| Item Number | dAP-2529 |
| Target Molecule | Principle Name: MTHFR (aa369-383); Official Symbol: MTHFR; All Names and Symbols: MTHFR; methyl- enetetrahydrofolate reductase (NAD(P)H); 5,10-methylenetetrahydrofolate reductase (NADPH); OT- THUMP0000002367; OTTHUMP0000002373; methylenetetrahydrofolate reductase; Accession Number (s): NP_005948.3; Human Gene ID(s): 4524; Non-Human GenelD(s): 17769 (mouse) 362657 (rat) |
| Immunogen | SRPKSYIYRTQEWDE, is from internal region |
| Applications | Pep ELISA, WB Species Tested: Mouse |
| 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 8000. |
| Western Blot | Western Blot: Approx 70kDa band observed in lysates of cell line NIH3T3 (calculated MW of 74.6kDa according to Human NP_005948.3 and Mouse NP_034970.2). Recommended concentration: 0.3-1µg/ml. |
| IHC | |
| Reference | Reference(s): Fletcher O, Kessling AM. MTHFR association with arteriosclerotic vascular disease? <i>Hum Genet</i> . 1998 Jul;103(1):11-21.. PMID: 9737770-> |

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**