

Product datasheet for **TA309530**

MTHFR Goat Polyclonal Antibody

Product data:

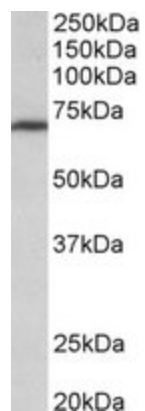
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.3-1ug/ml
Reactivity:	Mouse (Expected from sequence similarity: Human, Rat, Dog, Pig, Cow)
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-SRPKSYIYRTQEWDE, from the internal region of the protein sequence according to NP_005948.3.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	methylenetetrahydrofolate reductase (NAD(P)H)
Database Link:	NP_005948 Entrez Gene 17769 MouseEntrez Gene 362657 RatEntrez Gene 478230 DogEntrez Gene 4524 Human P42898
Background:	The protein encoded by this gene catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a co-substrate for homocysteine remethylation to methionine. Genetic variation in this gene influences susceptibility to occlusive vascular disease, neural tube defects, colon cancer and acute leukemia, and mutations in this gene are associated with methylenetetrahydrofolate reductase deficiency.
Synonyms:	5; 10-methylenetetrahydrofolate reductase (NADPH); methylenetetrahydrofolate reductase intermediate form; OTTHUMP00000002367; OTTHUMP00000002368
Protein Families:	Druggable Genome



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Protein Pathways: Metabolic pathways, Methane metabolism, One carbon pool by folate

Product images:



TA309530 (0.3ug/ml) staining of NIH3T3 lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.