



## MTHFR Antibody

CATALOG NUMBER: 42-160

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: Antibody detection limit dilution 1:16000. Western Blot: Approximately 28 kDa band in human cerebellum, skeletal muscle and placenta lysates after 0.2 ug/mL antibody staining. The 28 kDa band was successfully blocked by incubation with the immunizing peptide.
<b>IMMUNOGEN:</b>	MTHFR antibody was raised against a 13 amino acid synthetic peptide near the C-Terminus of MTHFR.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	MTHFR antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	MTHFR antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	MTHFR, methylenetetrahydrofolate reductase intermediate form, OTTHUMP0000002368, OTTHUMP0000002367, 5, 10-methylenetetrahydrofolate reductase (NADPH), MTHFR,
<b>ACCESSION NO.:</b>	NP_005948.3
<b>PROTEIN GI NO.:</b>	87240000
<b>OFFICIAL SYMBOL:</b>	MTHFR
<b>GENE ID:</b>	4524

### Background

<b>REFERENCES:</b>	1) 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 metabolism genes influence the risk of meningioma and glioma. Cancer Epidemiol. Biomarkers Prev. 2008 May 17 (5): 1195-202.
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