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Product datasheet for TA302710

MTR Goat Polyclonal Antibody

Product data:

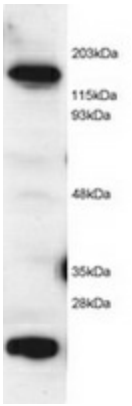
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1-3ug/ml; IHC: 3-5ug/ml; ELISA: 1:32,000
Reactivity:	Human (Expected from sequence similarity: Mouse, Rat, Dog, Pig)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-VEKWLGPILGYDTD, from the C Terminus of the protein sequence according to NP_000245.
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. Supplied at 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.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	5-methyltetrahydrofolate-homocysteine methyltransferase
Database Link:	NP_000245 Entrez Gene 81522 RatEntrez Gene 238505 MouseEntrez Gene 479190 DogEntrez Gene 4548 Human Q99707
Background:	MTR encodes the enzyme 5-methyltetrahydrofolate-homocysteine methyltransferase. This enzyme, also known as cobalamin-dependent methionine synthase, catalyzes the final step in methionine biosynthesis. Mutations in MTR have been identified as the underlying cause of methylcobalamin deficiency complementation group G. [provided by RefSeq]
Synonyms:	cblG; HMAG; MS

View online »

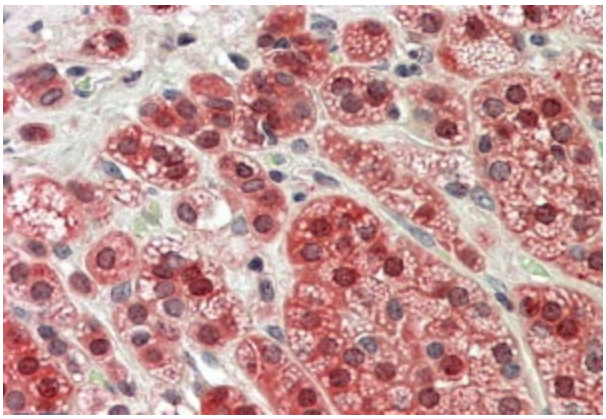
Protein Families: Druggable Genome

Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways, One carbon pool by folate

Product images:



TA302710 (2ug/ml) staining of Hela lysate (RIPA buffer, 1.4E5 cells per lane). Detected by western blot using chemiluminescence.



TA302710 (3.8ug/ml) staining of paraffin embedded Human Adrenal Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.