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Product datasheet for TA807661M

Aminomethyltransferase (AMT) Mouse Monoclonal Antibody [Clone ID: OTI4C9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4C9
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 146-403 of human AMT(NP_000472) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43.8 kDa
Gene Name:	aminomethyltransferase
Database Link:	NP_000472 Entrez Gene 306586 RatEntrez Gene 434437 MouseEntrez Gene 275 Human P48728
Background:	This gene encodes one of four critical components of the glycine cleavage system. Mutations in this gene have been associated with glycine encephalopathy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Synonyms:	GCE; GCST; GCVT; NKH

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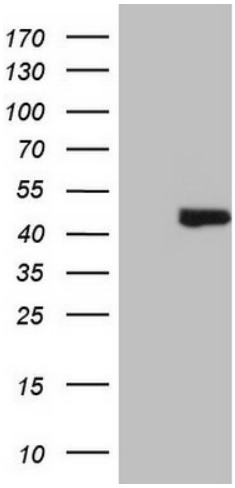
Protein Pathways: Glycine, serine and threonine metabolism, Metabolic pathways, Nitrogen metabolism, One carbon pool by folate

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY AMT ([RC214343], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AMT (1:2000). Positive lysates [LY424691] (100ug) and [LC424691] (20ug) can be purchased separately from OriGene.