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Product datasheet for AP17103PU-N

Aminomethyltransferase (AMT) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1:50 - 1:100. ELISA: 1:1,000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide selected from the N-terminal region of human AMT
Specificity:	This antibody detects Aminomethyltransferase at N-term.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	aminomethyltransferase
Database Link:	Entrez Gene 275 Human P48728
Background:	The enzyme system for cleavage of glycine (glycine cleavage system; EC 2.1.2.10), which is confined to the mitochondria, is composed of 4 protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase; MIM 238300), H protein (a lipoic acid-containing protein; MIM 238330), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase; MIM 238331). Glycine encephalopathy (GCE; MIM 605899) may be due to a defect in any one of these enzymes.
Synonyms:	AMT, GCST, GCVT
Note:	Molecular weight: 43946 Da

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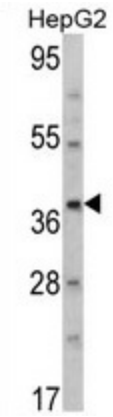
Protein Pathways: Glycine, serine and threonine metabolism, Metabolic pathways, Nitrogen metabolism, One carbon pool by folate

Product images:



Western blot analysis of AMT Antibody (N-term) in HepG2 cell line lysates (35 ug/lane). AMT (arrow) was detected using the purified Pab.