

Rabbit AMT Polyclonal Antibody | anti-AMT antibody

AMT Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288816	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

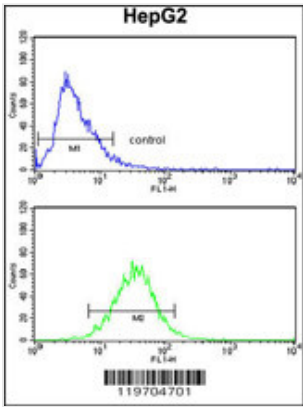
PRODUCT SYNONYMS

AMT; Polyclonal Antibody; AMT Antibody (N-term); Aminomethyltransferase; mitochondrial; Glycine cleavage system T protein; GCVT; GCST; anti-AMT antibody

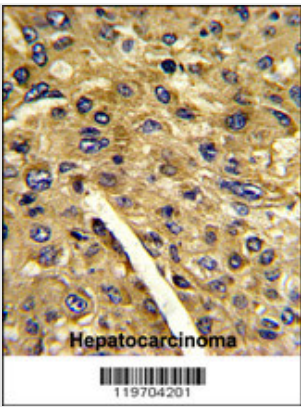
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AMT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 19-45 amino acids from the N-terminal region of human AMT.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	19-45
Sequence Length	403
Applicable Applications for anti-AMT antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

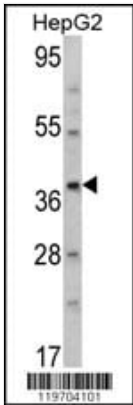
IMAGES



FCM/FACS (Flow Cytometry)
AMT Antibody (N-term) flow cytometry analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with AMT Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



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

ADDITIONAL INFORMATION

Related Product Information for anti-AMT antibody	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.
Product Categories/Family for anti-AMT antibody	Metabolism; Signal Transduction
References	Nanao,K., Genomics 19 (1), 27-30 (1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	44662838
NCBI GeneID	275
NCBI Accession #	NP_000472.2; NP_001158182.1; NP_001158183.1; NP_001158184.1
NCBI GenBank Nucleotide #	NM_000481.3
UniProt Accession #	P48728; Q96IG6; A8K3I5; B4DE61; B4DJQ0; E9PBG1

Molecular Weight	43946
NCBI Official Full Name	aminomethyltransferase, mitochondrial isoform 1
NCBI Official Synonym Full Names	aminomethyltransferase
NCBI Official Symbol	AMT
NCBI Official Synonym Symbols	GCE; NKH; GCST; GCVT
NCBI Protein Information	aminomethyltransferase, mitochondrial
UniProt Protein Name	Aminomethyltransferase, mitochondrial
UniProt Gene Name	AMT
UniProt Synonym Gene Names	GCST; GCVT
UniProt Entry Name	GCST_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/amt-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288816>