

Datasheet for ABIN631086

anti-Aminomethyltransferase antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Aminomethyltransferase (AMT)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aminomethyltransferase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	AMT antibody was raised using the N terminal of AMT corresponding to a region with amino acids QRAVSVVARLGFRLQAFPPALCRPLSQAQEVLRRTPLYDFHLAGHGKMVA
Specificity:	AMT antibody was raised against the N terminal of AMT
Purification:	Affinity purified

Target Details

Target:	Aminomethyltransferase (AMT)
Alternative Name:	AMT (AMT Products)
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), H protein (a lipoic acid-containing protein), T

Target Details

protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase).
Glycine encephalopathy (GCE) may be due to a defect in any one of these enzymes.

Molecular Weight: 44 kDa (MW of target protein)

Application Details

Application Notes: WB: 1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: AMT Blocking Peptide, catalog no. 33R-7703, is also available for use as a blocking control in assays to test for specificity of this AMT antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of AMT antibody in PBS

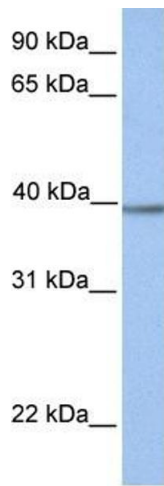
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Western Blotting

Image 1. AMT antibody used at 1 ug/ml to detect target protein.