

Datasheet for ABIN7596087
anti-BHMT antibody (AA 1-406)



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Overview

Quantity:	100 µL
Target:	BHMT
Binding Specificity:	AA 1-406
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Human BHMT antibody
Immunogen:	Recombinant human BHMT (1-406aa) purified from E. coli
Clone:	3D6
Isotype:	IgG2a kappa
Purification:	protein-A affinity chromatography

Target Details

Target:	BHMT
Alternative Name:	BHMT (BHMT Products)
Background:	Betaine homocysteine methyltransferase (BHMT), a cytosolic enzyme, and its partial fragments

Target Details

were discovered as autolysosomal membrane proteins from rat liver in the presence of leupeptin. BHMT was also found in human liver. BHMT transfers a methyl group from betaine to homocysteine to form DMG (dimethylglycine) and Met. In vivo, liver BHMT expression is influenced by dietary changes in sulphur amino acids, choline and betaine.

NCBI Accession:	NP_001704
Pathways:	Methionine Biosynthetic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.