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# anti-BHMT2 antibody (Middle Region)

2 Images



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### Overview

Quantity:	100 μL
Target:	BHMT2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Horse, Guinea Pig, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BHMT2 antibody is un-conjugated
Application:	Western Blotting (WB)

# **Product Details**

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human BHMT2
Sequence:	GFVDLPEYPF GLESRVATRW DIQKYAREAY NLGVRYIGGC CGFEPYHIRA
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 93%, Horse: 79%, Human: 100%, Mouse: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against BHMT2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

# **Target Details**

Target:	BHMT2
Alternative Name:	BHMT2 (BHMT2 Products)

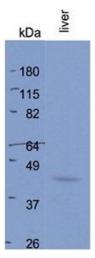
# **Target Details**

Background:	Homocysteine is a sulfur-containing amino acid that plays a crucial role in methylation
Duong, canal	reactions. Transfer of the methyl group from betaine to homocysteine creates methionine,
	which donates the methyl group to methylate DNA, proteins, lipids, and other intracellular
	metabolites. The protein encoded by this gene is one of two methyl transferases that can
	catalyze the transfer of the methyl group from betaine to homocysteine. Anomalies in
	homocysteine metabolism have been implicated in disorders ranging from vascular disease to
	neural tube birth defects such as spina bifida. Alternatively spliced transcript variants encoding
	different isoforms have been found for this gene.
	Alias Symbols: FLJ20001
	Protein Interaction Partner: APP,
	Protein Size: 363
Molecular Weight:	40 kDa
Gene ID:	23743
NCBI Accession:	NM_017614, NP_060084
UniProt:	Q9H2M3
Pathways:	Methionine Biosynthetic Process
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 363 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

# Handling

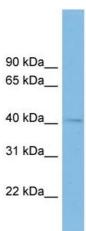
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

# **Images**



# **Western Blotting**

**Image 1.** BHMT2 antibody - middle region validated by WB using Rat Liver at 1ug/mL.



# **Western Blotting**

Image 2. WB Suggested Anti-BHMT2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: PANC1 cell lysate