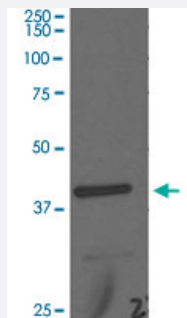


BHMT polyclonal antibody

Catalog # PAB29978

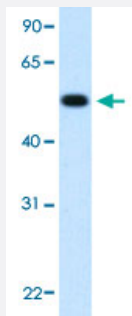
Size 100 uL

Applications



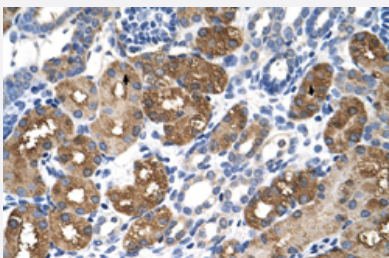
Western Blot (Tissue lysate)

Western Blot analysis of rat liver tissue lysate with BHMT polyclonal antibody (Cat # PAB29978) at 1:2000 dilution.



Western Blot (Tissue lysate)

Western Blot analysis of human fetal muscle tissue lysate with BHMT polyclonal antibody (Cat # PAB29978) at 2.5 ug/mL working concentration.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with BHMT polyclonal antibody (Cat # PAB29978) at 4-8 ug/mL working concentration.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of human BHMT.

Immunogen

A synthetic peptide corresponding to C-terminus of human BHMT.

Sequence	KHGSWGSGLDMHTKPWVRARARKEYWENLRIASGRPYNPSMSKPDGWGVT
Host	Rabbit
Theoretical MW (kDa)	45
Reactivity	Human, Rat
Form	Liquid
Purification	Protein A purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-8 ug/mL) Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western Blot analysis of rat liver tissue lysate with BHMT polyclonal antibody (Cat # PAB29978) at 1:2000 dilution.

- Western Blot (Tissue lysate)

Western Blot analysis of human fetal muscle tissue lysate with BHMT polyclonal antibody (Cat # PAB29978) at 2.5 ug/mL working concentration.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with BHMT polyclonal antibody (Cat # PAB29978) at 4-8 ug/mL working concentration.

Gene Info — BHMT

Entrez GeneID	635
GeneBank Accession#	NM_001713
Protein Accession#	NP_001704:Q93088

Gene Name	BHMT
Gene Alias	-
Gene Description	betaine-homocysteine methyltransferase
Omim ID	602888
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cytosolic enzyme that catalyzes the conversion of betaine and homocysteine to dimethylglycine and methionine, respectively. Defects in this gene could lead to hyperhomocyst(e)inemia, but such a defect has not yet been observed. [provided by RefSeq]
Other Designations	betaine homocysteine methyltransferase

Pathway

- [Cysteine and methionine metabolism](#)
- [Glycine](#)
- [Metabolic pathways](#)

Disease

- [Abruptio Placentae](#)
- [Adenocarcinoma](#)
- [Aortic Aneurysm](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Choline Deficiency](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Hyperhomocysteinemia](#)
- [Hypoplastic Left Heart Syndrome](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
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- [Metabolic Diseases](#)
- [Mouth Abnormalities](#)
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- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Spinal Dysraphism](#)
- [Stroke](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)