SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-BHMT antibody

Catalog Number: SL22698R

FOR RESEARCH USE ONLY

[DATASHEET]

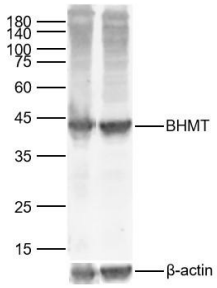
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	BHMT
Immunogen:	KLH conjugated synthetic peptide derived from human BHMT: 310-406/406
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat(predicted:Dog,Pig,Cow,Sheep)
Predicted MW.:	45kDa
Subcellular Location:	cytoplasmic
Background:	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, Jul 2008] **Function:** Involved in the regulation of homocysteine metabolism. Converts betaine and homocysteine to dimethylglycine and methionine, respectively. This reaction is also required for the irreversible oxidation of choline. **Subcellular Location:** Cytoplasm. **Tissue Specificity:** Found exclusively in liver and kidney. **Similarity:** Contains 1 Hcy-binding domain. **Database links:** **Entrez Gene:** 497025 Cow

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

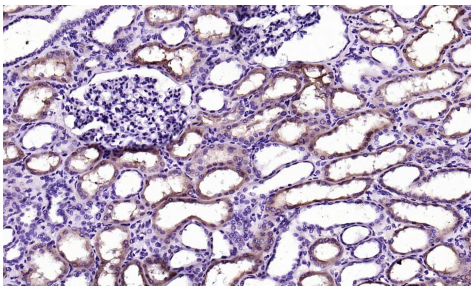
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	Entrez Gene: 635 Human **Entrez Gene:** 12116 Mouse **Entrez Gene:** 81508 Rat Omim: 602888 Human **SwissProt:** Q5I597 Cow **SwissProt:** Q93088 Human **SwissProt:** O35490 Mouse **SwissProt:** O09171 Rat **Unigene:** 80756 Human **Unigene:** 329582 Mouse **Unigene:** 423099 Mouse **Unigene:** 11406 Rat

[VALIDATION IMAGES]



Sample:
Lane 1: Mouse Liver Lysates
Lane 2: Rat Liver Lysates
Primary: Anti-BHMT (SL22698R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 45kDa
Observed band size: 45kDa



Paraformaldehyde-fixed, paraffin embedded (Human kidney carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (BHMT) Polyclonal Antibody, Unconjugated (SL22698R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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