bs-39011R **[Primary Antibody]**

phospho-BHMT1(Thr45) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 635 **SWISS:** Q93088

Target: BHMT1(Thr45)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human BHMT1 around the phosphorylation site of Thr45 : PW(p-T)PE.

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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

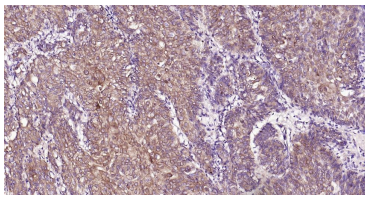
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat

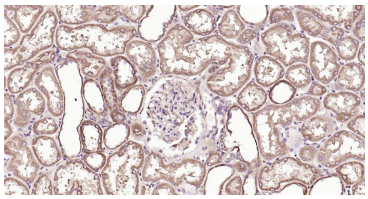
Predicted MW.: 45 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded Human Kidney Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with phospho-BHMT1(Thr45) Polyclonal Antibody, Unconjugated (bs-39011R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRPand DAB (C-0010) staining.



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SELECTED CITATIONS

- **[IF=40.8]** Yan Han. et al. Ribosomal modification protein rimK-like family member A activates betaine-homocysteine S-methyltransferase 1 to ameliorate hepatic steatosis. SIGNAL TRANSDUCT TAR. 2024 Aug;9(1):1-18 WB ;Mouse. 39117631