

For Research Use Only

BHMT Recombinant antibody, PBS Only

Catalog Number: 86372-1-PBS



Basic Information

Catalog Number:

86372-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8738

GenBank Accession Number:

BC012616

GeneID (NCBI):

635

UNIPROT ID:

Q93088

Full Name:

betaine-homocysteine methyltransferase

Calculated MW:

406 aa, 45 kDa

Observed MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

250978E3

Applications

Tested Applications:

WB, IP, Indirect ELISA

Species Specificity:

human, rat

Background Information

Betaine-homocysteine methyltransferase (BHMT) is a cytosolic enzyme that involved in the regulation of homocysteine metabolism. BHMT catalyzes the conversion of betaine and homocysteine to dimethylglycine and methionine, respectively. This reaction is also required for the irreversible oxidation of choline (PMID: 8798461, 10529246).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

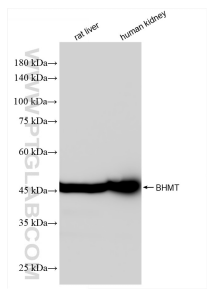
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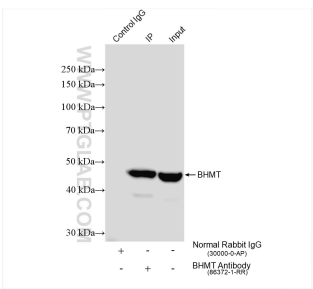
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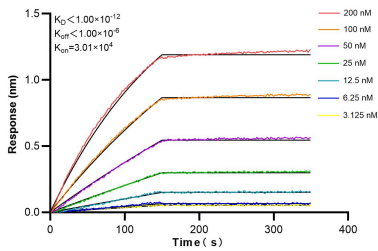
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86372-1-RR (BHMT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86372-1-PBS in a different storage buffer formulation.



IP result of anti-BHMT (IP:86372-1-RR, 4ug; Detection:86372-1-RR 1:3000) with rat liver tissue lysate 3080 ug. This data was developed using the same antibody clone with 86372-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86372-1-RR against Human BHMT were performed. The affinity constant is below 1 pM.