

## **Product datasheet for TA302433**

## OriGene Technologies, Inc.

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## **BHMT Goat Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

**Recommended Dilution:** ELISA: 1:16,000. WB: 0.03-0.1µg/ml.

**Reactivity:** Human, Mouse, Rat (Expected from sequence similarity: Dog)

Host: Goat Isotype: IgG

Clonality: Polyclonal

Immunogen: Peptide with sequence C-EQQLKELFEKQK, from the C Terminus of the protein sequence

according to NP\_001704.1.

**Formulation:** Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

**Concentration:** lot specific

**Purification:** Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02%

sodium azide, pH7.3 with 0.5% bovine serum albumin.

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 48625 Da

**Gene Name:** betaine--homocysteine S-methyltransferase

Database Link: NP 001704

Entrez Gene 12116 MouseEntrez Gene 81508 RatEntrez Gene 479171 DogEntrez Gene 635

<u>Human</u> Q93088

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]



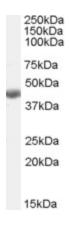


Synonyms: BHMT1; HEL-S-61p

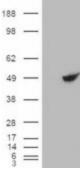
Cysteine and methionine metabolism, Glycine, serine and threonine metabolism, Metabolic **Protein Pathways:** 

pathways

## **Product images:**



TA302433 (0.03ug/ml) staining of Rat Liver lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



HEK293 overexpressing BHMT [RC203148]) and probed with TA302433 (mock transfection in first lane)