

Goat anti-BHMT Antibody

Item Number	dAP-1173
Target Molecule	Principle Name: BHMT; Official Symbol: BHMT; All Names and Symbols: BHMT; betaine-homocysteine methyltransferase; Accession Number (s): NP_001704.1 ; Human Gene ID(s): 635; Non-Human GeneID(s): 12116 (mouse) 81508 (rat)
Immunogen	EQQLKELFEKQK, is from C Terminus
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Approx 45kDa band observed in Human Liver, Mouse Liver and Rat Liver lysates (calculated MW of 44.9kDa according to human NP_001704.1, 45.0kDa according to mouse NP_057877.1 and rat NP_110477.1). In transfected HEK293 transiently expressin
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows strong cytoplasm staining in PCT cells. Recommended concentration, 2-4µg/ml.
Reference	Reference(s): Collinsova M, Strakova J, Jiracek J, Garrow TA. Inhibition of betaine-homocysteine S-methyltransferase causes hyperhomocysteinemia in mice. J Nutr. 2006 Jun;136(6):1493-7. PMID: 16702310 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**