

Product datasheet for **AP22552PU-N**

BHMT (391-402) Goat Polyclonal Antibody

Product data:

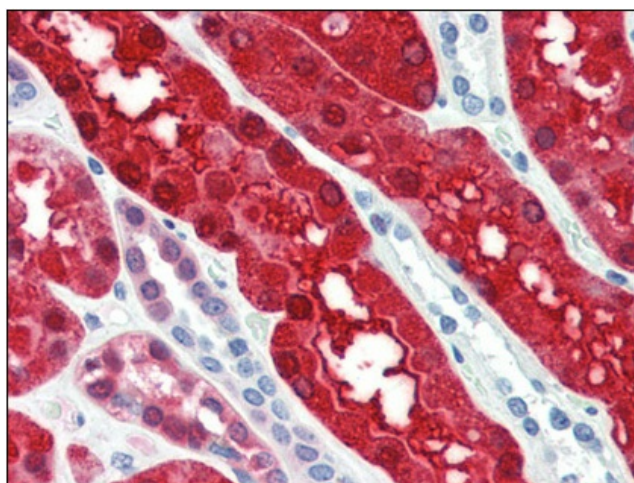
Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/16000. Immunohistochemistry on Paraffin Sections: 2.5 µg/ml. Western Blot: 0.03 - 0.1 µg/ml.
Reactivity:	Canine, Human, Mouse, Rat, Hamster, Monkey
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from C-term of human BHMT
Specificity:	This antibody detects BHMT (C-term).
Formulation:	Tris saline buffer, pH 7.3, 0.5% BSA, 0.02% sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	betaine--homocysteine S-methyltransferase
Database Link:	Entrez Gene 12116 Mouse Entrez Gene 81508 Rat Entrez Gene 635 Human Q93088
Background:	Betaine-homocysteine methyltransferase is a cytosolic enzyme that catalyzes the conversion of betaine and homocysteine to dimethylglycine and methionine, respectively. Defects in BHMT could lead to hyperhomocyst(e)inemia, but such a defect has not yet been observed.
Synonyms:	Betaine--homocysteine S-methyltransferase 1
Protein Pathways:	Cysteine and methionine metabolism, Glycine, serine and threonine metabolism, Metabolic pathways



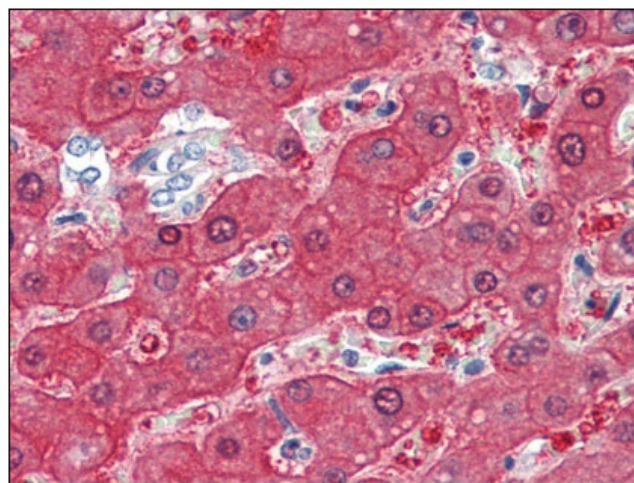
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Product images:

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



Human Kidney (formalin-fixed, paraffin-embedded) stained with BHMT antibody at 2.5 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Liver (formalin-fixed, paraffin-embedded) stained with BHMT antibody at 2.5 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.