

BHMT Antibody (clone 8C11H5)
Mouse Monoclonal Antibody
Catalog # ALS13155**Specification**

BHMT Antibody (clone 8C11H5) - Product Information

Application	IHC
Primary Accession	O93088
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	45kDa KDa

BHMT Antibody (clone 8C11H5) - Additional Information**Gene ID** 635**Other Names**

Betaine--homocysteine S-methyltransferase 1, 2.1.1.5, BHMT

Target/Specificity

Human BHMT

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

BHMT Antibody (clone 8C11H5) is for research use only and not for use in diagnostic or therapeutic procedures.

BHMT Antibody (clone 8C11H5) - Protein Information**Name** BHMT {ECO:0000303|PubMed:8798461}**Function**

Involved in the regulation of homocysteine metabolism. Converts betaine and homocysteine to dimethylglycine and methionine, respectively. This reaction is also required for the irreversible oxidation of choline.

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:O09171}. Nucleus {ECO:0000250|UniProtKB:O09171} Note=Predominantly localized in the cytoplasm with a small fraction detected in the nucleus. Translocates into the nucleus upon oxidative stress. {ECO:0000250|UniProtKB:O09171}

Tissue Location

Found exclusively in liver and kidney.

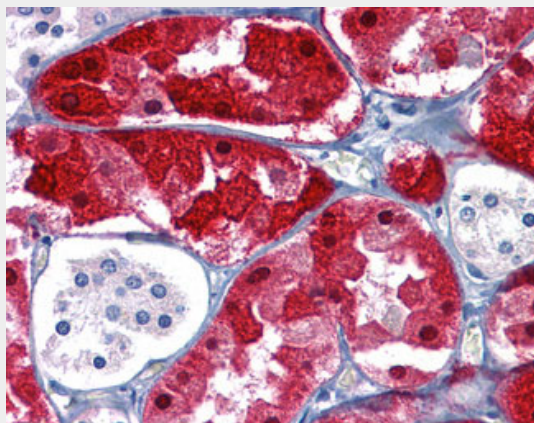
Volume
50 µl

BHMT Antibody (clone 8C11H5) - Protocols

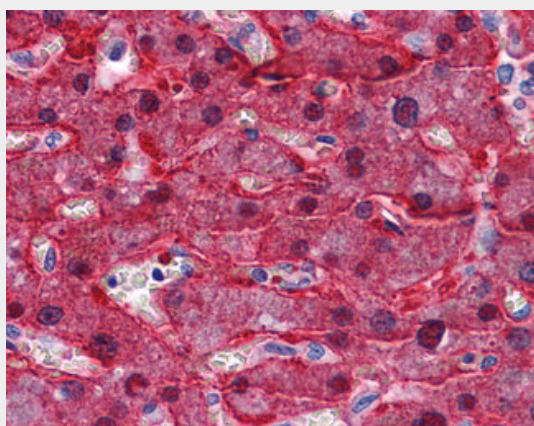
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BHMT Antibody (clone 8C11H5) - Images



Anti-BHMT antibody IHC of human kidney.



Anti-BHMT antibody IHC of human liver.

BHMT Antibody (clone 8C11H5) - Background

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BHMT Antibody (clone 8C11H5) - References

Garrow T.A.,et al.J. Biol. Chem. 271:22831-22838(1996).
Park E.I.,et al.J. Biol. Chem. 274:7816-7824(1999).
Sunden S.L.F.,et al.Arch. Biochem. Biophys. 345:171-174(1997).
Millian N.S.,et al.Arch. Biochem. Biophys. 356:93-98(1998).
Evans J.C.,et al.Structure 10:1159-1171(2002).