abcam

Product datasheet

Anti-BHMT + BHMT2 antibody [EPR20822] - BSA and Azide free ab230151

Recombinant RabMAb

4 Images

Overview

Product name	Anti-BHMT + BHMT2 antibody [EPR20822] - BSA and Azide free
Description	Rabbit monoclonal [EPR20822] to BHMT + BHMT2 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, WB
Species reactivity	**Reacts with:** Rat, Human, Recombinant fragment
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human kidney tissue.
General notes	ab230151 is the carrier-free version of **ab213491**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20822
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab230151 in the following tested applications.

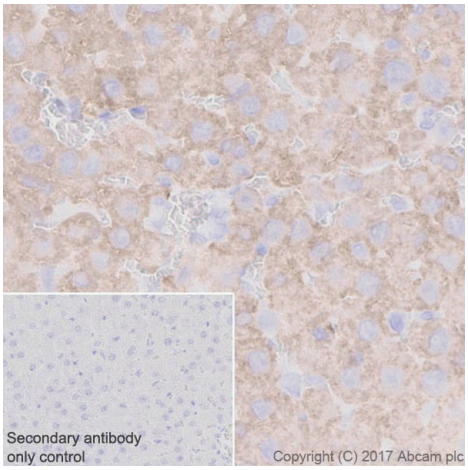
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. IHC note: **1:20,000, recommend human and rat.** BHMT2 involved in the regulation of homocysteine metabolism. It's mainly expressed on liver and kidney and its subcellular location was cytoplasm. IHC results showed specific staining on liver and
WB		Use at an assay dependent concentration. Predicted molecular weight: 40 kDa.

Target

Cellular localization BHMT: Cytoplasm. BHMT2: Cytoplasmic

Images

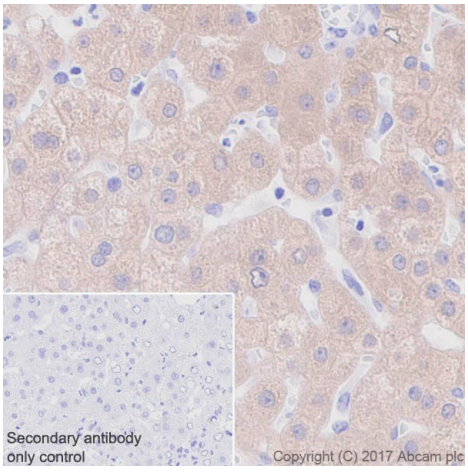


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BHMT + BHMT2 antibody [EPR20822] - BSA and Azide free (ab230151)

Immunohistochemical analysis of paraffin-embedded rat liver tissue labeling BHMT + BHMT2 with **ab213491** at 1/20,000 dilution followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Cytoplasmic staining on rat liver is observed (PMID: 9281325; PMID: 26592251).counterstained with hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Perform heat-mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab213491**).

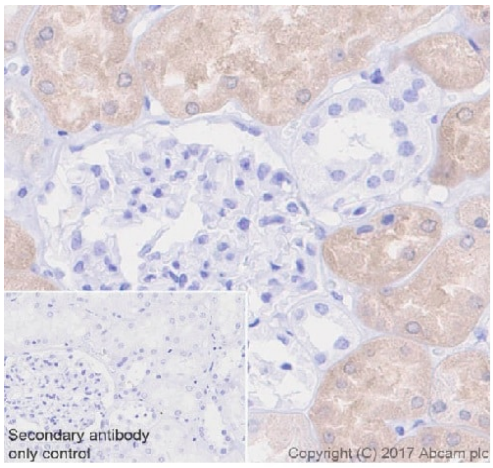


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BHMT + BHMT2 antibody [EPR20822] - BSA and Azide free (ab230151)

Immunohistochemical analysis of paraffin-embedded human liver tissue labeling BHMT + BHMT2 with **ab213491** at a 1/20,000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Cytoplasmic staining on human liver is observed (PMID: 9281325; PMID: 26592251). Counter stained with hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Perform heat-mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab213491**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BHMT + BHMT2 antibody [EPR20822] - BSA and Azide free (ab230151)

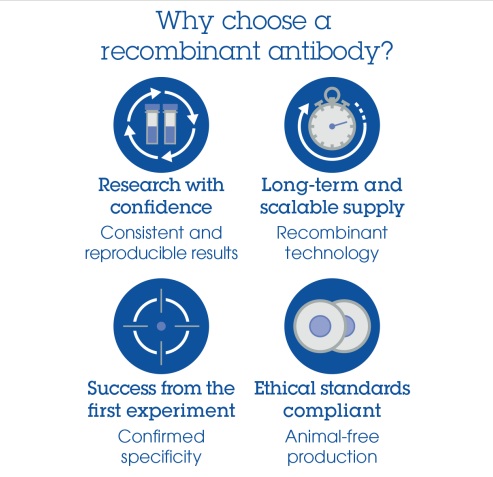
Immunohistochemical analysis of paraffin-embedded human kidney tissue labeling BHMT + BHMT2 with **ab213491** at 1/20,000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Cytoplasmic staining on human kidney tissue is observed (PMID: 9281325; PMID: 26592251). Counter stained with hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Perform heat-mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

IHC note: **1:20,000, recommend human and rat.** BHMT2 involved in the regulation of homocysteine metabolism. It's mainly expressed on liver and kidney and its subcellular location was cytoplasm. IHC results showed specific staining on liver and kidney of human and liver, mouse kidney was very weak staining and testis leydig cells were non-specific staining. So IHC recommend human and rat.

Note: It can show nuclear staining if working at higher concentration.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab213491**).



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