

## Product datasheet

# Anti-BHMT antibody [EPR6782] ab124992

**重组 RabMAb**

1 Abreviews 1 References 4 图像

### 概述

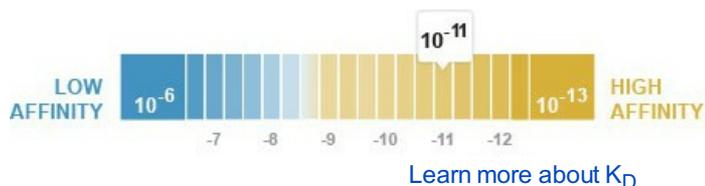
<b>产品名称</b>	Anti-BHMT抗体[EPR6782]
<b>描述</b>	兔单克隆抗体[EPR6782] to BHMT
<b>宿主</b>	Rabbit
<b>经测试应用</b>	适用于: WB, IP, IHC-P
<b>种属反应性</b>	与反应: Human
<b>免疫原</b>	Synthetic peptide within Human BHMT aa 350-450 (C terminal). The exact sequence is proprietary.
<b>阳性对照</b>	Human fetal liver and fetal kidney lysates; Human kidney and liver tissue.
<b>常规说明</b>	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#)

This product is a recombinant rabbit monoclonal antibody.

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>解离常数 (K<sub>D</sub>)</b>	K <sub>D</sub> = 2.25 x 10 <sup>-11</sup> M



<b>存储溶液</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol, 0.05% BSA
<b>纯度</b>	Tissue culture supernatant

克隆	单克隆
克隆编号	EPR6782
同种型	IgG

## 应用

Our [Abpromise guarantee](#) covers the use of **ab124992** in the following tested applications.

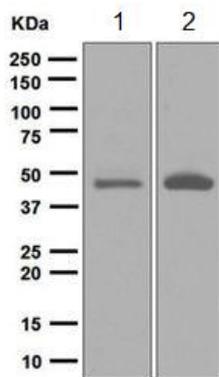
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab 评论	说明
WB		1/1000 - 1/10000. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa).
IP		1/10 - 1/100.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Heat up to 98 degrees C, below boiling, and then let cool for 10-20 min.

## 靶标

功能	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.
组织特异性	Found exclusively in liver and kidney.
通路	Amine and polyamine degradation; betaine degradation; sarcosine from betaine: step 1/2. Amino-acid biosynthesis; L-methionine biosynthesis via de novo pathway; L-methionine from L-homocysteine (BhmT route): step 1/1.
序列相似性	Contains 1 Hcy-binding domain.
细胞定位	Cytoplasm.

## 图片



Western blot - Anti-BHMT antibody [EPR6782]  
(ab124992)

**All lanes :** Anti-BHMT antibody [EPR6782]

(ab124992) at 1/1000 dilution

**Lane 1 :** Human fetal liver lysate

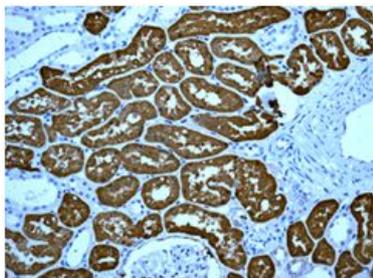
**Lane 2 :** Human fetal kidney lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

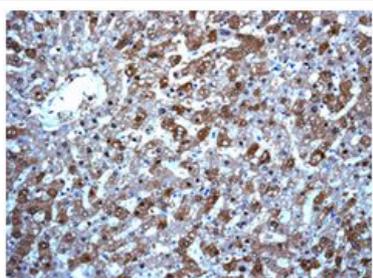
**All lanes :** Goat anti-Rabbit HRP at 1/2000 dilution

**Predicted band size:** 45 kDa



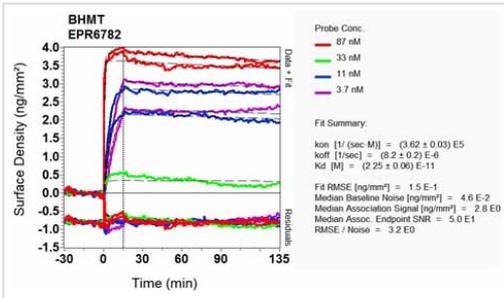
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BHMT antibody [EPR6782] (ab124992)

ab124992 at 1/250 dilution staining BHMT in paraffin-embedded Human kidney tissues by Immunohistochemistry.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BHMT antibody [EPR6782] (ab124992)

ab124992 at 1/250 dilution staining BHMT in paraffin-embedded Human liver tissues by Immunohistochemistry.



Other - Anti-BHMT antibody [EPR6782] (ab124992)

Equilibrium disassociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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