


# Anti-PTS/PTPS antibody ab96104

★★★★☆ **1 Abreviews** 6 图像

### 概述

<b>产品名称</b>	Anti-PTS/PTPS抗体
<b>描述</b>	兔多克隆抗体to PTS/PTPS
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> WB, IHC-P, ICC/IF
<b>种属反应性</b>	<b>与反应:</b> Mouse, Human <b>预测可用于:</b> Rat 
<b>免疫原</b>	Recombinant fragment corresponding to Human PTS/PTPS aa 1-111. Database link: <a href="#">NP_000308</a>
<b>阳性对照</b>	WB: Transfected HEK-293T and HeLa cells, H1299 cells and mouse stomach tissue lysate. IHC-P: Human hepatoma tissue; IF: HeLa cells.
<b>常规说明</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>存储溶液</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
<b>纯度</b>	Immunogen affinity purified
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab96104 于以下的经测试应用

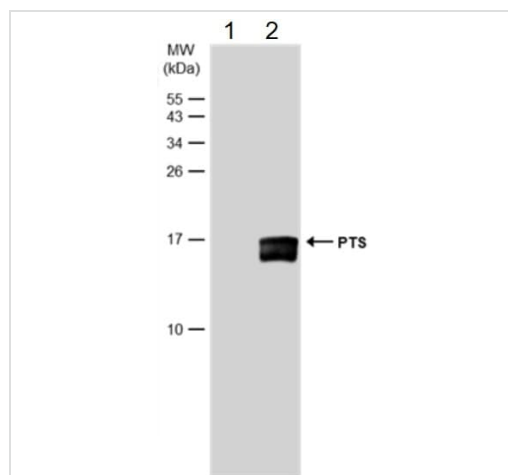
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (1)	1/500 - 1/3000. Predicted molecular weight: 16 kDa.
IHC-P		1/100 - 1/1000.
ICC/IF		1/100 - 1/1000.

## 靶标

<b>功能</b>	Involved in the biosynthesis of tetrahydrobiopterin, an essential cofactor of aromatic amino acid hydroxylases. Catalyzes the transformation of 7,8-dihydroneopterin triphosphate into 6-pyruvoyl tetrahydropterin.
<b>通路</b>	Cofactor biosynthesis; tetrahydrobiopterin biosynthesis; tetrahydrobiopterin from 7,8-dihydroneopterin triphosphate: step 1/3.
<b>疾病相关</b>	Defects in PTS are the cause of BH4-deficient hyperphenylalaninemia type A (HPABH4A) [MIM:261640]; also called 6-pyruvoyl-tetrahydropterin synthase deficiency (PTS deficiency) or hyperphenylalaninemia tetrahydrobiopterin-deficient due to PTS deficiency. HPABH4A is an autosomal recessive disorder characterized by depletion of the neurotransmitters dopamine and serotonin, and clinically by severe neurological symptoms unresponsive to the classic phenylalanine-low diet.
<b>序列相似性</b>	Belongs to the PTPS family.
<b>翻译后修饰</b>	Phosphorylation of Ser-19 is required for maximal enzyme activity.

## 图片



Western blot - Anti-PTS/PTPS antibody (ab96104)

**All lanes** : Anti-PTS/PTPS antibody (ab96104) at 1/5000 dilution

**Lane 1** : Non-transfected HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

**Lane 2** : Transfected HEK-293T whole cell lysate

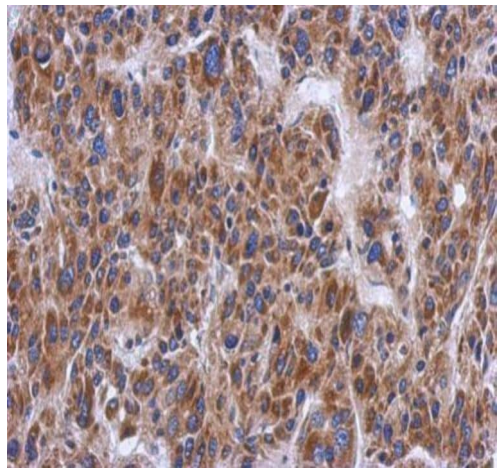
Lysates/proteins at 30 µg per lane.

### Secondary

**All lanes** : HRP-conjugated anti-rabbit IgG antibody

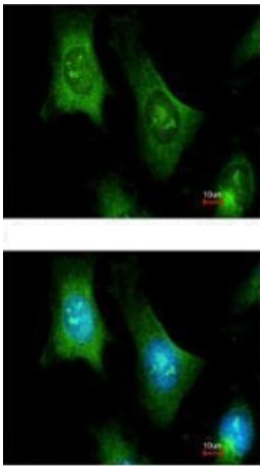
**Predicted band size:** 16 kDa

## 15% SDS-PAGE



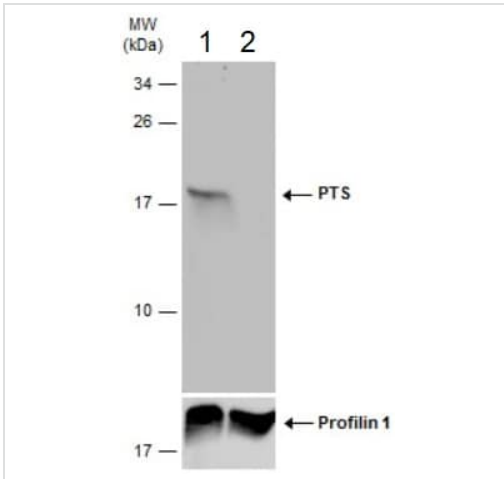
Immunohistochemical analysis of paraffin-embedded human hepatoma tissue staining PTS with ab96104 at 1/500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15min.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PTS/PTPS antibody (ab96104)



Immunofluorescence analysis of methanol-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell labeling PTS (green) with ab96104 at 1/100 dilution. Costained with Hoechst 33342 (Bottom Panel).

Immunocytochemistry/ Immunofluorescence - Anti-PTS/PTPS antibody (ab96104)



Western blot - Anti-PTS/PTPS antibody (ab96104)

**All lanes :** Anti-PTS/PTPS antibody (ab96104) at 1/500 dilution

**Lane 1 :** WT HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

**Lane 2 :** PTS/PTPS Knockout HeLa cell lysate

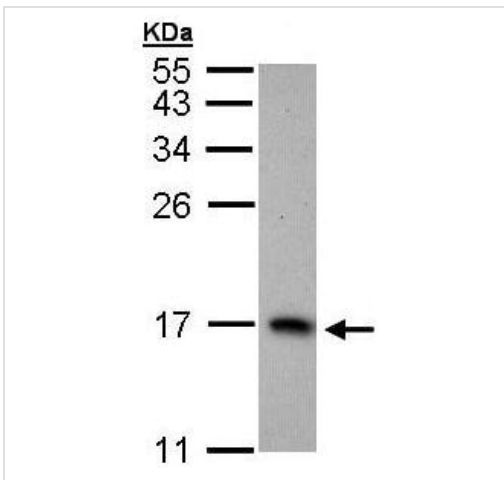
Lysates/proteins at 30 µg per lane.

**Secondary**

**All lanes :** HRP-conjugated anti-rabbit IgG

**Predicted band size:** 16 kDa

15% SDS-PAGE

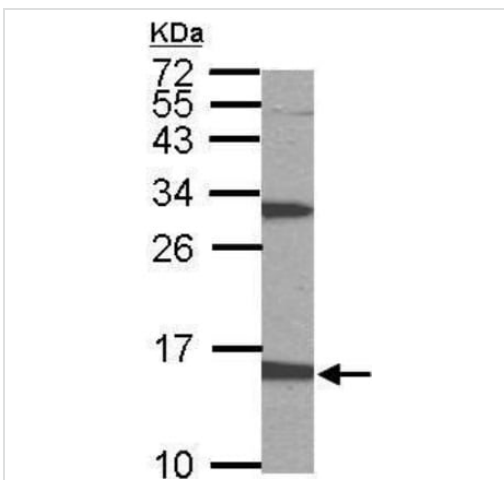


Western blot - Anti-PTS/PTPS antibody (ab96104)

Anti-PTS/PTPS antibody (ab96104) at 1/1000 dilution + H1299 (human non-small cell lung carcinoma cell line) whole cell lysate at 30 µg

**Predicted band size:** 16 kDa

15% SDS PAGE



Western blot - Anti-PTS/PTPS antibody (ab96104)

Anti-PTS/PTPS antibody (ab96104) at 1/1000 dilution + Mouse stomach tissue lysate at 50 µg

**Predicted band size:** 16 kDa

15% SDS PAGE

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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