

# Anti-Tryptophan Hydroxylase/TPH antibody [EP1311Y] - BSA and Azide free ab227845

**重组** RabMAb

## 9 References 3 图像

### 概述

<b>产品名称</b>	Anti-Tryptophan Hydroxylase/TPH抗体[EP1311Y] - BSA and Azide free
<b>描述</b>	兔单克隆抗体[EP1311Y] to Tryptophan Hydroxylase/TPH - BSA and Azide free
<b>宿主</b>	Rabbit
<b>特异性</b>	The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse.
<b>经测试应用</b>	<b>适用于:</b> WB, IHC-P
<b>种属反应性</b>	<b>与反应:</b> Mouse, Human
<b>免疫原</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>阳性对照</b>	WB: N-His tagged human Tryptophan Hydroxylase/TPH (aa 105 to 420) recombinant protein
<b>常规说明</b>	ab227845 is the carrier-free version of <a href="#">ab52954</a> .  Our <b>carrier-free</b> 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 <b>conjugation kits</b> 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 <sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar <sup>®</sup> is a trademark of Fluidigm Canada Inc.

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>存储溶液</b>	pH: 7.20 Constituent: PBS

无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EP1311Y
同种型	IgG

## 应用

**The Abpromise guarantee** Abpromise™承诺保证使用ab227845于以下的经测试应用

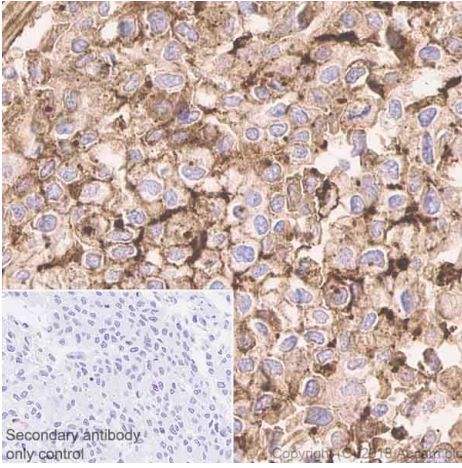
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Detects a band of approximately 51 kDa (predicted molecular weight: 51 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse.

## 靶标

组织特异性	Isoform 2 seems to be less widely expressed than isoform 1.
通路	Aromatic compound metabolism; serotonin biosynthesis; serotonin from L-tryptophan: step 1/2.
序列相似性	Belongs to the bipterin-dependent aromatic amino acid hydroxylase family. Contains 1 ACT domain.

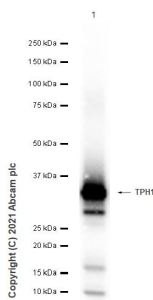
## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tryptophan Hydroxylase/TPH antibody [EP1311Y] - BSA and Azide free (ab227845)

This data was developed using [ab52954](#), the same antibody clone in a different buffer formulation.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human bladder carcinoma tissue sections labeling Tryptophan Hydroxylase/TPH with Purified [ab52954](#) at 1:2000 dilution (1.191 µg/mL). Heat mediated antigen retrieval was performed using Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used. PBS instead of the primary antibody was used as the negative control.



Western blot - Anti-Tryptophan Hydroxylase/TPH antibody [EP1311Y] - BSA and Azide free (ab227845)

Anti-Tryptophan Hydroxylase/TPH antibody [EP1311Y] ([ab52954](#)) at 1/1000 dilution + N-His tagged human Tryptophan Hydroxylase/TPH (aa 105 to 420) recombinant protein at 0.01 µg

**Secondary**

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 51 kDa

**Observed band size:** 35 kDa

**Exposure time:** 3 seconds

Blocking and diluting buffer and concentration: 5% NFD/MTBST

This data was developed using [ab52954](#), the same antibody clone in a different buffer formulation.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Tryptophan Hydroxylase/TPH antibody  
[EP1311Y] - BSA and Azide free (ab227845)

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

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