

### Anti-Tryptophan Hydroxylase/TPH antibody [EP1311Y] ab52954

リコンビナント **RabMAb**

★★★★★ **4 Abreviews** **24 References** 画像数 5

#### 製品の概要

製品名	Anti-Tryptophan Hydroxylase/TPH antibody [EP1311Y]
製品の詳細	Rabbit monoclonal [EP1311Y] to Tryptophan Hydroxylase/TPH
由来種	Rabbit
特異性	The mouse recommendation is based on the WB results. We do not guarantee IHC-P for mouse
アプリケーション	<b>適用あり:</b> WB, IHC-P
種交差性	<b>交差種:</b> Mouse, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Human small intestine and pituitary tissue lysate. Mouse brain tissue lysate. Recombinant full length mouse Tph1 protein with C-terminal MYC/DDK tag. N-His tagged human Tryptophan Hydroxylase/TPH (aa 105 to 420) recombinant protein
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP1311Y

## アプリケーション

### The Abpromise guarantee

**Abpromise保証は、** 次のテスト済みアプリケーションにおけるab52954の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/500. Detects a band of approximately 51 kDa (predicted molecular weight: 51 kDa).
IHC-P	★ ★ ★ ★ ★ (2)	1/2000. 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. For the unpurified format use at 1/50 dilution

## ターゲット情報

### 組織特異性

Isoform 2 seems to be less widely expressed than isoform 1.

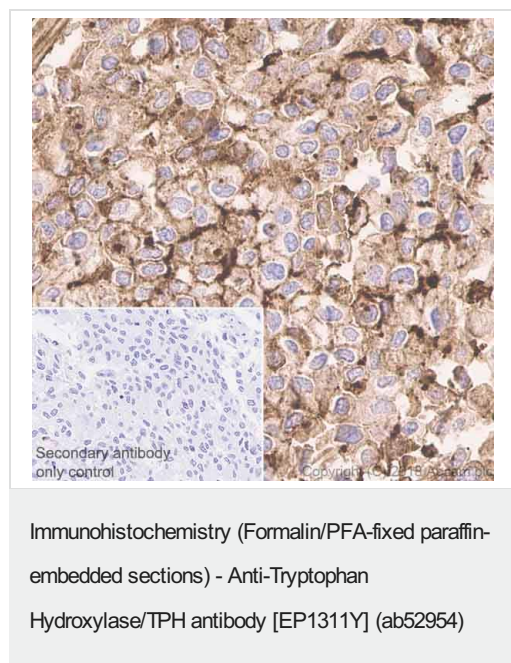
### パスウェイ

Aromatic compound metabolism; serotonin biosynthesis; serotonin from L-tryptophan: step 1/2.

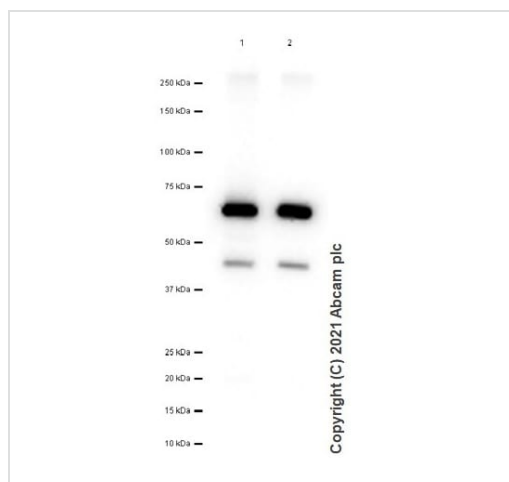
### 配列類似性

Belongs to the bipterin-dependent aromatic amino acid hydroxylase family.  
Contains 1 ACT domain.

## 画像



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] (ab52954)

**Lane 1 :** Anti-Tryptophan Hydroxylase/TPH antibody [EP1311Y] (ab52954) at 1/1000 dilution

**Lane 2 :** Anti-DDDDK tag (Binds to FLAG® tag sequence) antibody [EPR20018-251] ([ab205606](#)) at 1/1000 dilution

**All lanes :** Full-length Tph1 mouse recombinant protein with C-terminal MYC/DDK tag 10 ng

### Secondary

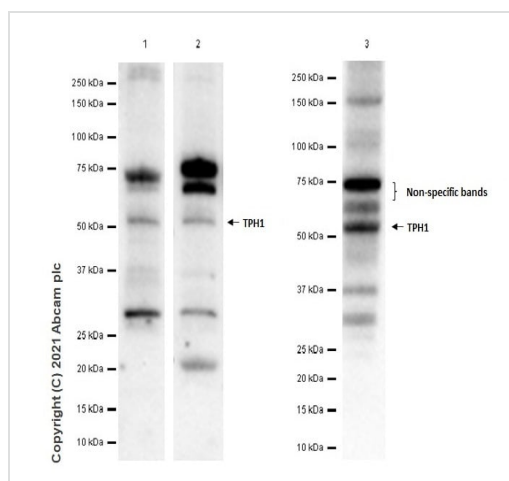
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 51 kDa

**Additional bands at:** 60 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 3 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Tryptophan Hydroxylase/TPH antibody [EP1311Y] (ab52954)

**All lanes :** Anti-Tryptophan Hydroxylase/TPH antibody [EP1311Y] (ab52954) at 1/1000 dilution

**Lane 1 :** Human small intestine tissue lysate

**Lane 2 :** Human pituitary tissue lysate

**Lane 3 :** Mouse brain tissue lysate

Lysates/proteins at 20 µg per lane.

### Secondary

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

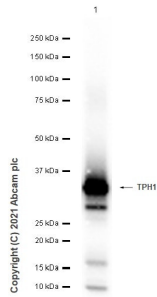
**Predicted band size:** 51 kDa

**Additional bands at:** 51 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 180 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

TPH1 is mainly expressed in non-neuronal peripheral tissues like pineal gland.



Western blot - Anti-Tryptophan Hydroxylase/TPH antibody [EP1311Y] (ab52954)

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% NFDM/TBST

### Why choose a recombinant antibody?



Anti-Tryptophan Hydroxylase/TPH antibody [EP1311Y] (ab52954)

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

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