

## Product datasheet

# Anti-Tryptophan Hydroxylase antibody [EP1311Y] ab52954

リコンビナント RabMAb<sup>®</sup>

★★★★★ 4 Abreviews 13 References 画像数 3

### 製品の概要

製品名	Anti-Tryptophan Hydroxylase antibody [EP1311Y]
製品の詳細	Rabbit monoclonal [EP1311Y] to Tryptophan Hydroxylase
由来種	Rabbit
アプリケーション	適用あり: WB, IP, Flow Cyt, IHC-P, ICC/IF
種交差性	交差種: Mouse, Rat, Human
免疫原	A synthetic peptide corresponding to residues near the C-terminus of human Tryptophan Hydroxylase
ポジティブ・コントロール	THP-1 cell lysate and human urinary bladder carcinoma.
特記事項	

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](#)

**We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.**

This product is a recombinant rabbit monoclonal antibody.

### 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	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.5% BSA
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

Our [Abpromise guarantee](#) covers the use of **ab52954** in the following tested applications.

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

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).
IP		1/50.
Flow Cyt		1/20. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P	★☆☆☆☆	1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		1/50 - 1/100.

## 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

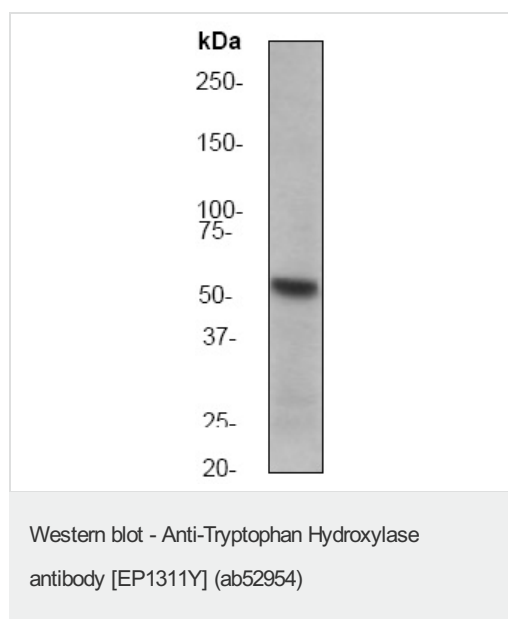
Aromatic compound metabolism; serotonin biosynthesis; serotonin from L-tryptophan: step 1/2.

## 配列類似性

Belongs to the bipterin-dependent aromatic amino acid hydroxylase family.

Contains 1 ACT domain.

## 画像



Anti-Tryptophan Hydroxylase antibody

[EP1311Y] (ab52954) at 1/500 dilution + THP-

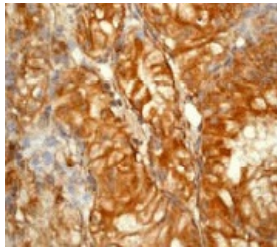
1 cell lysate at 10 µg

**Secondary**

goat anti-rabbit HRP at 1/2000 dilution

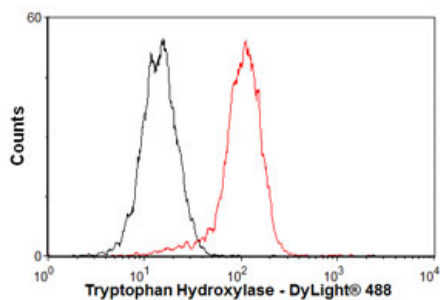
**Predicted band size:** 51 kDa

**Observed band size:** 51 kDa



ab52954 at 1/50 dilution staining Tryptophan Hydroxylase in human urinary bladder carcinoma by Immunohistochemistry, Paraffin embedded tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tryptophan Hydroxylase antibody [EP1311Y] (ab52954)



Flow Cytometry - Anti-Tryptophan Hydroxylase antibody [EP1311Y] (ab52954)

Overlay histogram showing HeLa cells stained with ab52954 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab52954, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) (ab96899) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed.

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

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