

Product datasheet

Anti-Tryptophan Hydroxylase antibody [EP1311Y] ab52954

リコンビナント RabMAb®

★★★★★ 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® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab® patents](#)

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	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EP1311Y
アイソタイプ	IgG

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. ab172730 - 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.

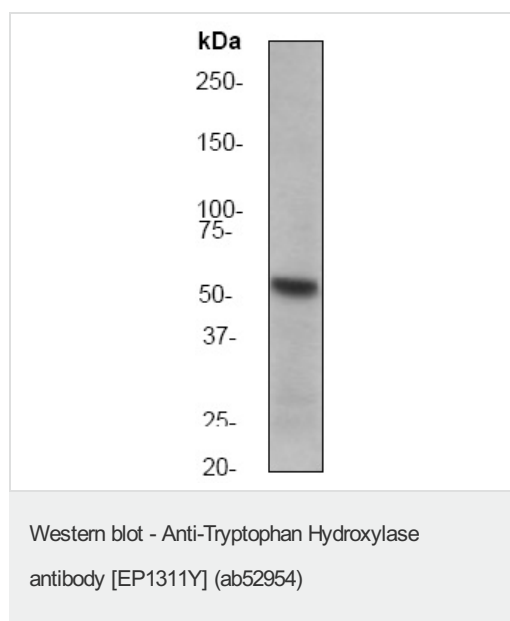
パスウェイ

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



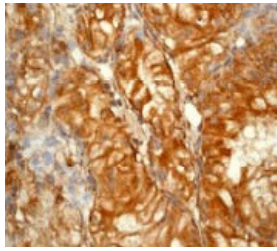
Anti-Tryptophan Hydroxylase antibody
[EP1311Y] (ab52954) at 1/500 dilution + THP-
1 cell lysate at 10 µg

Secondary

goat anti-rabbit HRP at 1/2000 dilution

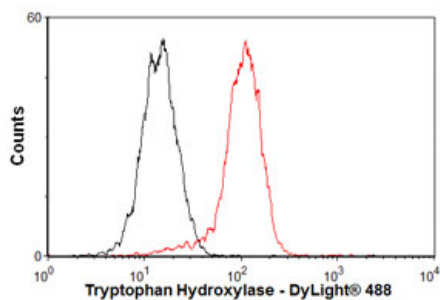
Predicted band size: 51 kDa

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/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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