


Anti-Tyrosine Hydroxylase antibody - Neuronal Marker ab112

★★★★★ [37 Abreviews](#) [332 References](#) [画像数 6](#)

製品の概要

製品名	Anti-Tyrosine Hydroxylase antibody - Neuronal Marker
製品の詳細	Rabbit polyclonal to Tyrosine Hydroxylase - Neuronal Marker
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: Rat 交差が予測される動物種: Mammals 
免疫原	Full length native protein (purified) corresponding to Rat Tyrosine Hydroxylase aa 1 to the C-terminus. Full length SDS denatured protein purified from rat pheochromocytoma. Database link: P04177
ポジティブ・コントロール	WB: PC-12 whole cell lysate. Rat caudate and striatal lysate. IHC-P: Rat brain tissue.
特記事項	ab112 can be used as a marker for dopaminergic and noradrenergic neurons. 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. 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&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.50 Constituents: 0.01% BSA, 0.87% Sodium chloride, 50% Glycerol, 0.238% HEPES
精製度	Protein A purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

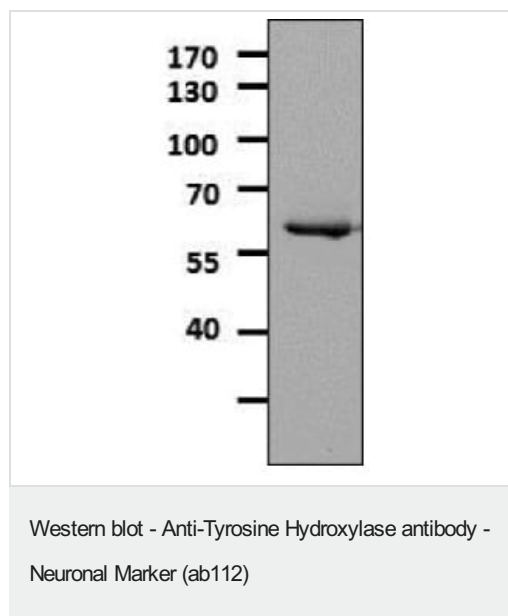
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab112の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (16)	1/750.
WB	★★★★★ (4)	1/200. Predicted molecular weight: 60 kDa.

ターゲット情報

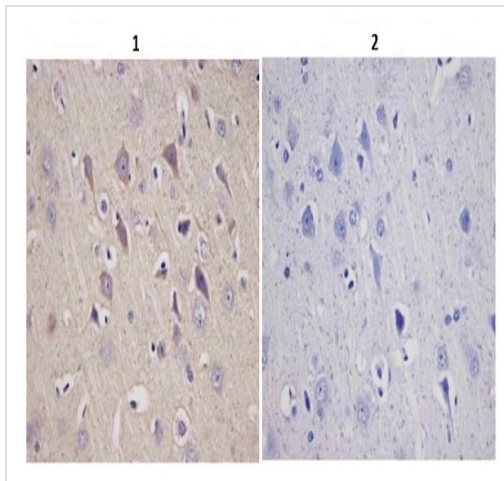
機能	Plays an important role in the physiology of adrenergic neurons.
組織特異性	Mainly expressed in the brain and adrenal glands.
パスウェイ	Catecholamine biosynthesis; dopamine biosynthesis; dopamine from L-tyrosine: step 1/2.
関連疾患	Defects in TH are the cause of dystonia DOPA-responsive autosomal recessive (ARDRD) [MIM:605407]; also known as autosomal recessive Segawa syndrome. ARDRD is a form of DOPA-responsive dystonia presenting in infancy or early childhood. Dystonia is defined by the presence of sustained involuntary muscle contractions, often leading to abnormal postures. Some cases of ARDRD present with parkinsonian symptoms in infancy. Unlike all other forms of dystonia, it is an eminently treatable condition, due to a favorable response to L-DOPA. Note=May play a role in the pathogenesis of Parkinson disease (PD). A genome-wide copy number variation analysis has identified a 34 kilobase deletion over the TH gene in a PD patient but not in any controls.
配列類似性	Belongs to the bipterin-dependent aromatic amino acid hydroxylase family.

画像



Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112) at 1/200 dilution + PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate

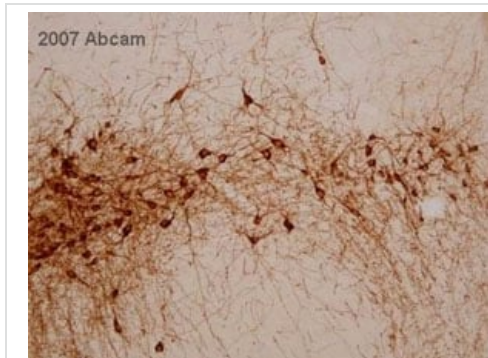
Predicted band size: 60 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112)

Paraffin embedded sections of rat brain tissue were stained for Tyrosine Hydroxylase with ab112 at 1/5000 dilution in immunohistochemical analysis (**Panel 1**).

Panel 2 shows an image in which ab112 was replaced with a Rabbit IgG1 isotype control.

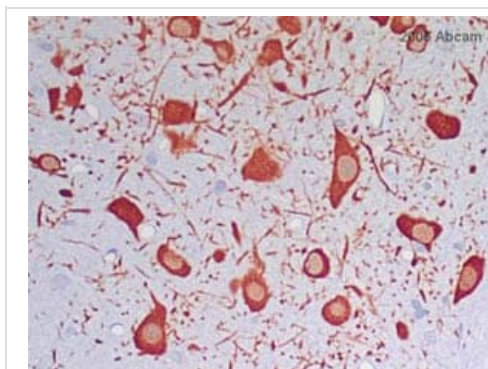


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112)

This image is courtesy of an Abreview submitted by Dr Guillermo Estivill-Torres

ab112 at 1/500 staining rat brain tissue ([ab29475](#)) sections by IHC-P.

The tissue was paraformaldehyde fixed and blocked with serum prior to incubation with the antibody for 14 hours. A biotinylated swine anti-rabbit IgG was used as the secondary.

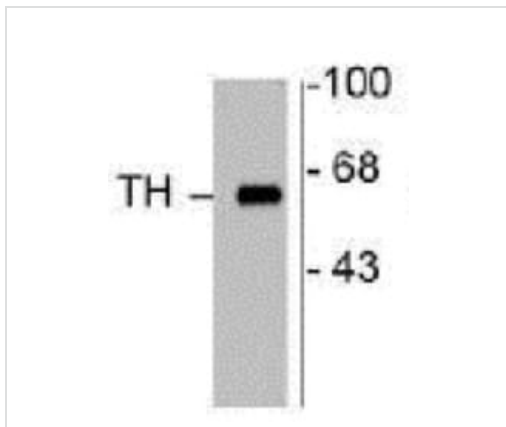


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112)

This image is courtesy of an anonymous Abreview

ab112 at 1/800 staining rat dopaminergic neuronal tissue sections (araldite resin sections) by immunohistochemistry.

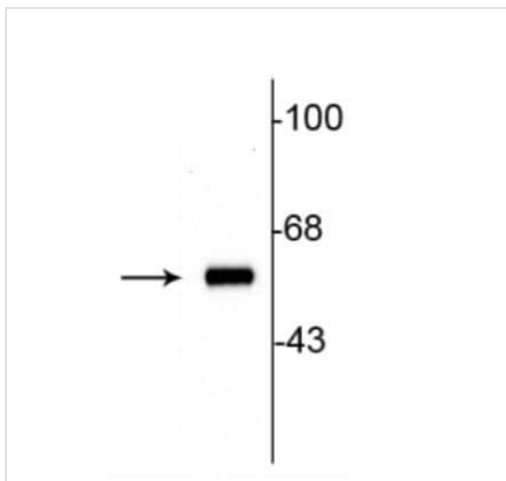
The tissue was paraformaldehyde fixed and then an antigen retrieval step was carried out (heat mediated). A biotinylated goat anti-rabbit IgG ([ab6720](#)) was used as the secondary.



Western blot - Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112)

Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112) at 1/200 dilution + rat caudate lysate at 10 µg

Predicted band size: 60 kDa



Western blot - Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112)

Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112) at 1/200 dilution + rat striatal lysate at 10 µg

Predicted band size: 60 kDa

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