abcam

Product datasheet

Anti-Tyrosine Hydroxylase antibody - Neuronal Marker ab112

★★★★★ **37 Abreviews**   **332 References**   6 图像

概述

产品名称	Anti-Tyrosine Hydroxylase抗体- Neuronal Marker
描述	兔多克隆抗体to Tyrosine Hydroxylase - Neuronal Marker
宿主	Rabbit
经测试应用	**适用于:** IHC-P, WB
种属反应性	**与反应:** Rat
	预测可用于: 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**
阳性对照	WB: PC-12 whole cell lysate. Rat caudate and striatal lysate. IHC-P: Rat brain tissue.
常规说明	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

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.50 Constituents: 0.01% BSA, 0.87% Sodium chloride, 50% Glycerol, 0.238% HEPES
纯度	Protein A purified
克隆	多克隆
同种型	IgG

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
IHC-P	★★★★★ **(16)**	1/750.
WB	★★★★★ **(4)**	1/200. Predicted molecular weight: 60 kDa.

靶标

功能	Plays an important role in the physiology of adrenergic neurons.
组织特异性	Mainly expressed in the brain and adrenal glands.
通路	Catecholamine biosynthesis; dopamine biosynthesis; dopamine from L-tyrosine: step 1/2.
疾病相关	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.
序列相似性	Belongs to the biopterin-dependent aromatic amino acid hydroxylase family.

图片

Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112) at 1/200 dilution + PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate
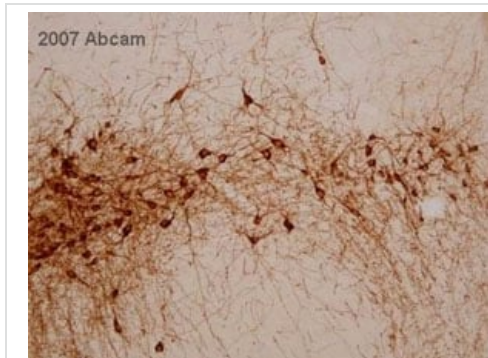
Predicted band size: 60 kDa
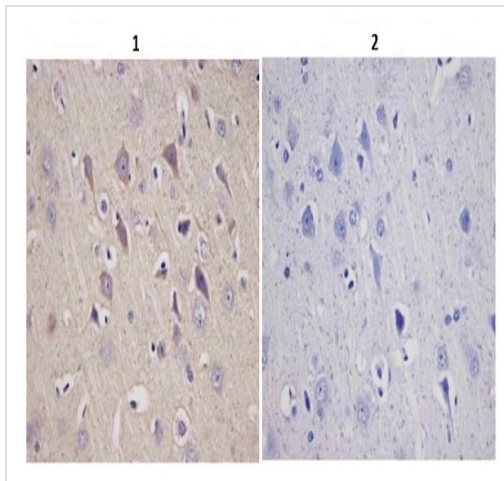
Western blot - Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112)

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.
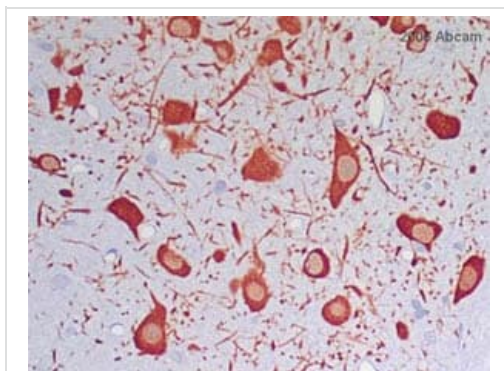

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112)

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

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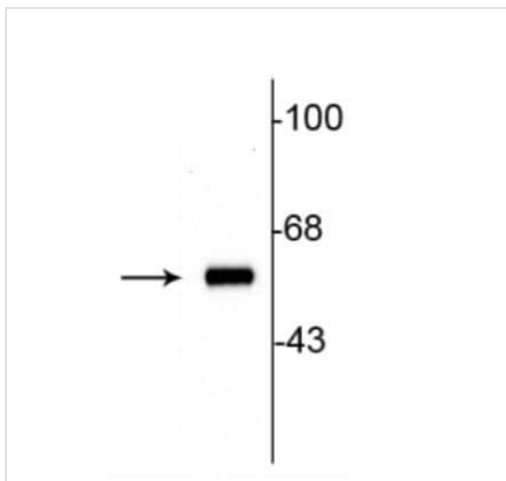
The tissue was paraformaldehyde fixed and then an antigen retrieval step was carried out (heat mediated). A biotinylated goat anti-rabbit IgG (**ab6720**) was used as the secondary.

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

Predicted band size: 60 kDa
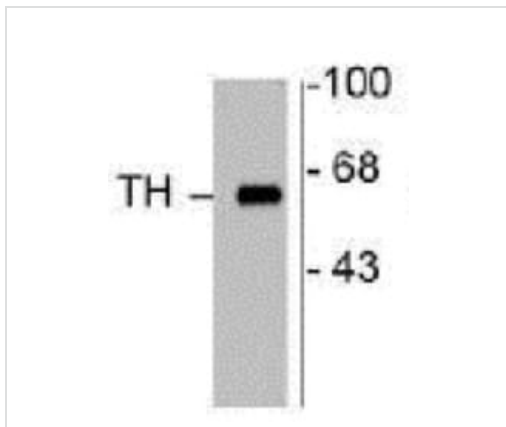
Western blot - Anti-Tyrosine Hydroxylase antibody - Neuronal Marker (ab112)

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

Predicted band size: 60 kDa

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

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