


Anti-Tyrosine Hydroxylase antibody ab6211

★★★★★ [4 Abreviews](#) [66 References](#) [4 图像](#)

概述

产品名称	Anti-Tyrosine Hydroxylase抗体
描述	兔多克隆抗体to Tyrosine Hydroxylase
宿主	Rabbit
特异性	Immunohistochemical distribution throughout the brain shows that staining is restricted to these neurons that are known to contain the enzyme.
经测试应用	适用于: IHC-FoFr, WB, ICC/IF, IHC-Fr
种属反应性	与反应: Mouse, Rat 预测可用于: Chicken, Chimpanzee, Macaque monkey 
免疫原	Synthetic peptide corresponding to Rat Tyrosine Hydroxylase aa 1-100 conjugated to keyhole limpet haemocyanin (Glutaraldehyde). Database link: P04177 <div>  Run BLAST with  Run BLAST with </div>
常规说明	<p>This antibody has proven useful in staining catecholaminergic neurons. It is a high quality reagent that stains these neurons intensely, including dendritic processes and fine nerve terminals.</p> <p>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.</p> <p>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</p>

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 Constituent: Whole serum
纯度	Whole antiserum
Primary antibody说明	This antibody has proven useful in staining catecholaminergic neurons. It is a high quality reagent

that stains these neurons intensely, including dendritic processes and fine nerve terminals.

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab6211于以下的经测试应用

“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-FoFr		Use at an assay dependent concentration.
WB		1/100 - 1/500. Predicted molecular weight: 42,53,84 kDa.
ICC/IF		1/1000.
IHC-Fr	★★★★★ (2)	Use at an assay dependent concentration.

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.

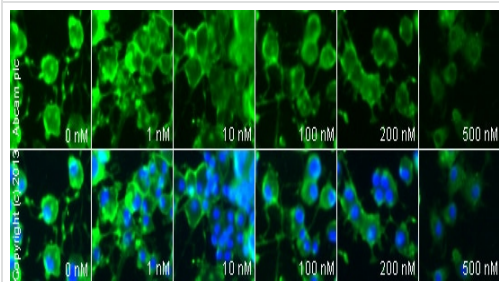
疾病相关

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 bipterin-dependent aromatic amino acid hydroxylase family.

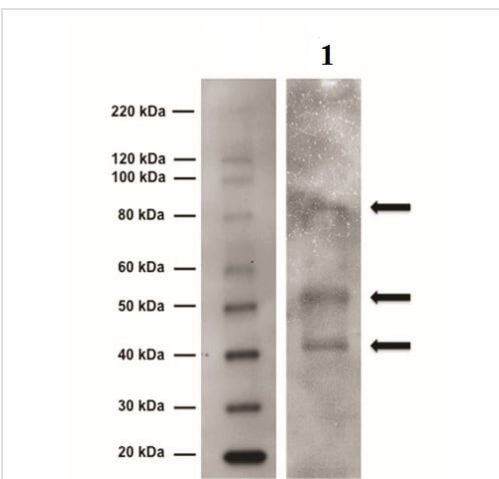
图片



Immunocytochemistry/ Immunofluorescence - Anti-Tyrosine Hydroxylase antibody (ab6211)

ab6211 staining tyrosine hydroxylase in PC-12 cells treated with orexin A (**ab120212**), by ICC/IF. Decrease in expression of tyrosine hydroxylase correlates with increased concentration of orexin A, as described in literature.

The cells were incubated at 37°C for 1h in media containing different concentrations of **ab120212** (orexin A) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum (**ab7481**), 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with ab6211 (1/1000 dilution) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.



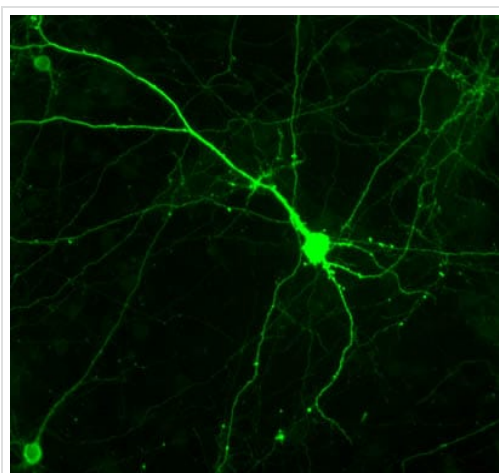
Western blot - Anti-Tyrosine Hydroxylase antibody (ab6211)

Anti-Tyrosine Hydroxylase antibody (ab6211) at 1/100 dilution + PC12 cell lysates at 6 µg

Performed under reducing conditions.

Predicted band size: 42,53,84 kDa

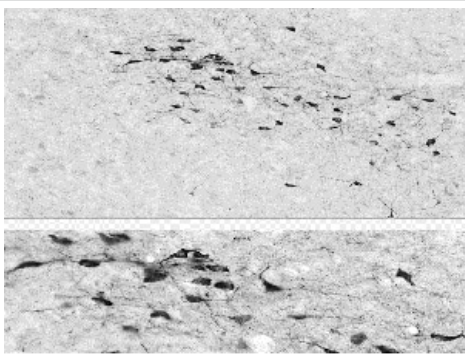
Three bands are detected at ≈ 42 kDa, 53 kDa and 84 kDa.



Immunohistochemistry (Frozen sections) - Anti-Tyrosine Hydroxylase antibody (ab6211)

Image courtesy of QBM Cell Sciences, Ottawa, Canada

ab6211 Rabbit polyclonal to Tyrosine Hydroxylase (1/1000) on cryopreserved ventral mesencephalic neurons dissected at mouse embryonic day 14. Neurons were thawed, plated and grown for 14 days, before fixation and overnight staining with ab6211.



Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-Tyrosine Hydroxylase antibody (ab6211)

Immunohistochemical detection of dopaminergic neurons in the rat zona incerta in a formalin-fixed floated cryostat section. Tyrosine hydroxylase immunoreactivity was visualized with ab6211 (1:100,000), using the biotinylated secondary antibody-ABC method and nickel-diaminobenzidine chromogen. Photo courtesy of Dr. Erik Hrabovszky, Hungarian Academy of Sciences, Budapest, Hungary.

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