




Anti-Tyrosine Hydroxylase antibody ab6211

★★★★★ [4 Abreviews](#) [66 References](#) [画像数 4](#)

製品の概要

製品名	Anti-Tyrosine Hydroxylase antibody
製品の詳細	Rabbit polyclonal to Tyrosine Hydroxylase
由来種	Rabbit
特異性	Immunohistochemical distribution throughout the brain shows that staining is restricted to these neurons that are known to contain the enzyme.
アプリケーション	適用あり: IHC-FoFr, WB, ICC/IF, IHC-Fr
種交差性	交差種: Mouse, Rat 交差が予測される動物種: 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  Run BLAST with  Run BLAST with
特記事項	<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>

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 Constituent: Whole serum
精製度	Whole antiserum
一次抗体 備考	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.
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

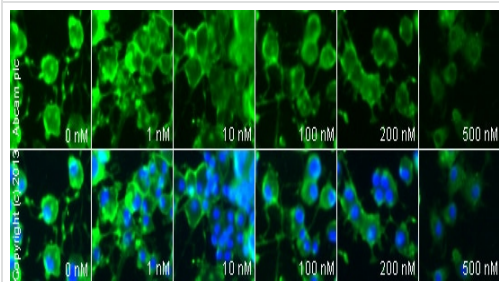
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab6211の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-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.

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.

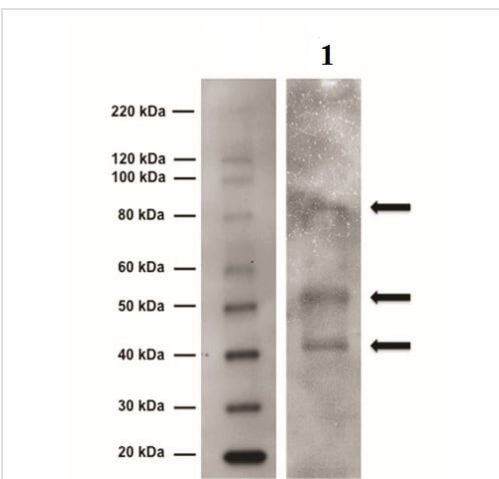
画像



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.



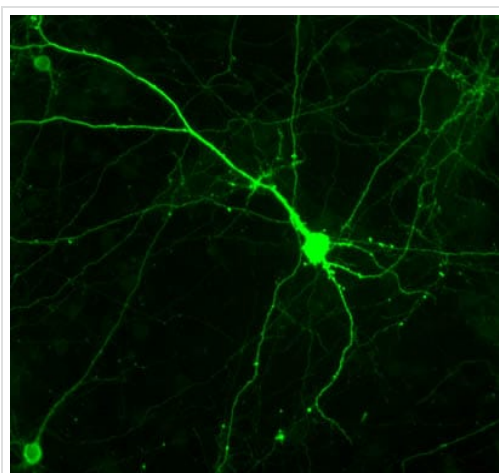
Western blot - Anti-Tyrosine Hydroxylase antibody (ab6211)

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

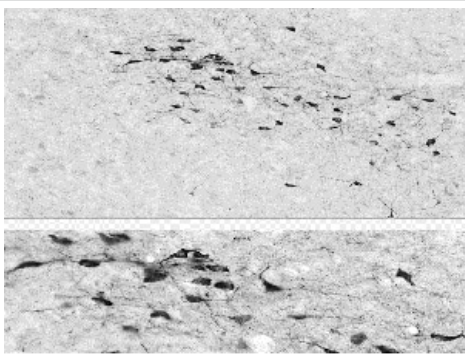
Three bands are detected at ≈ 42 kDa, 53 kDa and 84 kDa.



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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