

Product datasheet

Anti-Tyrosine Hydroxylase antibody ab113

★★★★★ 2 Abreviews 33 References 画像数 4

製品の概要

製品名	Anti-Tyrosine Hydroxylase antibody
製品の詳細	Sheep polyclonal to Tyrosine Hydroxylase
由来種	Sheep
アプリケーション	適用あり: IHC-Fr/I, ICC/IF, IHC-Fr, WB, IP, IHC-FoFr
種交差性	交差種: Mouse, 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. SDS-denatured, native rat tyrosine hydroxylase purified from pheochromocytoma (rat) Database link: P04177
ポジティブ・コントロール	Rat brain normal tissue lysate - total protein (ab29475) can be used as a positive control in WB.
特記事項	ab113 can be used as a marker for dopaminergic and noradrenergic neurons.

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: PBS, 0.01% BSA, 0.87% Sodium chloride, 50% Glycerol, 0.238% HEPES
精製度	Immunogen affinity 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

Our [Abpromise guarantee](#) covers the use of **ab113** in the following tested applications.

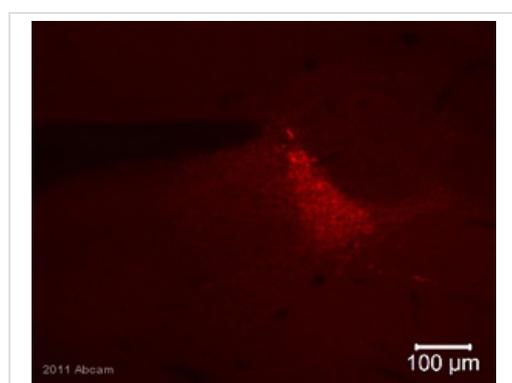
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-FrFI	★★★★★	1/1000 - 1/2000.
ICC/IF	★★★★★	1/1000.
IHC-Fr		1/1000.
WB		1/200. Predicted molecular weight: 60 kDa.
IP		Use at an assay dependent concentration.
IHC-FoFr		Use at an assay dependent concentration.

ターゲット情報

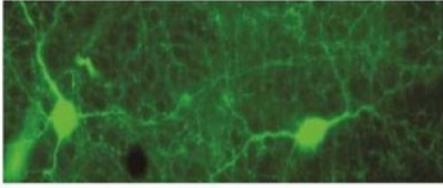
機能	Plays an important role in the physiology of adrenergic neurons.
組織特異性	Mainly expressed in the brain and adrenal glands.
パスウェイ	Catecholamine biosynthesis; dopamine biosynthesis; dopamine from L-tyrosine: step 1/2.
関連疾患	Defects in TH are the cause of dystonia DOPA-responsive autosomal recessive (ARDRD) [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



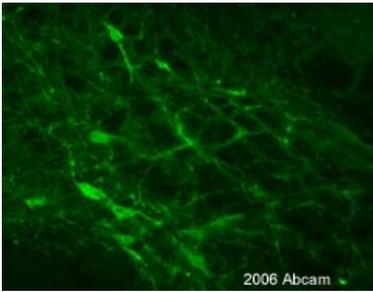
ab113 staining Tyrosine Hydroxylase in murine brain tissue by Immunohistochemistry (Free Floating). Tissue was incubated with ab113 at a 1/1000 dilution for 48 hours at 4°C. The secondary used was a Dylight 594 conjugated donkey anti-sheep IgG (H+L) ([ab96941](#)) used at a 1/500 dilution.

Immunohistochemistry - Free Floating - Anti-Tyrosine Hydroxylase antibody (ab113)
Image courtesy of Dr Xiaobin Liu by Abreview.



Immunocytochemistry/ Immunofluorescence - Anti-Tyrosine Hydroxylase antibody (ab113)

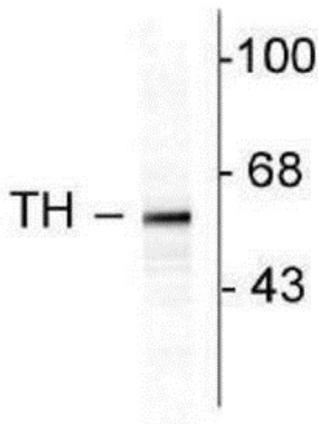
Immunostaining of rabbit retina showing specific labeling of tyrosine hydroxylase in green.



Immunohistochemistry - Free Floating - Anti-Tyrosine Hydroxylase antibody (ab113)

ab113 at 1/2000 dilution staining rat brain cells ([ab29475](#)) by immunocytochemistry. The antibody was incubated with the tissue for 48 hours and then bound antibody was detected using a biotinylated donkey anti-sheep antibody. The image shows the staining of free-floating 50 micron brainstem sections, labelling A5 cell groups. The antibody also labels fine varicosities of axons.

This image is courtesy of an Abreview submitted by **Jim Deuchars**.



Western blot - Anti-Tyrosine Hydroxylase antibody (ab113)

Western blot of 10 ug of rat caudate lysate showing specific immunolabeling of the ~60k tyrosine hydroxylase protein.

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