


Product datasheet

Anti-Tyrosine Hydroxylase (phospho S40) antibody ab51206

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概述

产品名称	Anti-Tyrosine Hydroxylase (phospho S40)抗体
描述	兔多克隆抗体 to Tyrosine Hydroxylase (phospho S40)
宿主	Rabbit
特异性	ab51206 detects endogenous levels of Tyrosine.
经测试应用	适用于: WB, ELISA, IHC-P
种属反应性	与反应: Mouse, Goat, Human 预测可用于: Rat 
免疫原	Synthesized phosphopeptide derived from human Tyrosine Hydroxylase around the phosphorylation site of serine 40 (R-Q-S ^P -L-I).
阳性对照	Human brain tissue; extracts from RAW264.7 cells.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab51206** in the following tested applications.

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

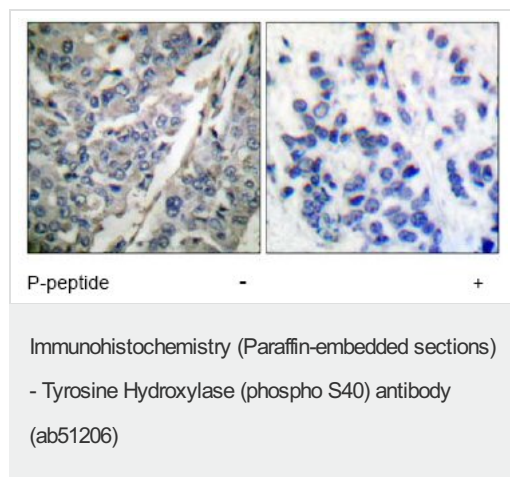
应用	Ab评论	说明
WB		1/300 - 1/1000. Detects a band of approximately 59 kDa (predicted molecular weight: 59 kDa).

应用	Ab评论	说明
ELISA		1/40000.
IHC-P		Use at an assay dependent concentration.

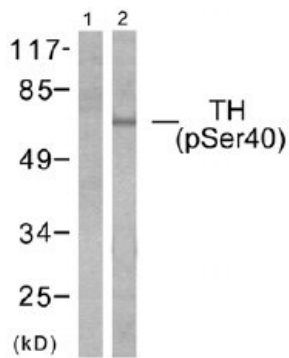
靶标

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



This image shows human brain tissue stained with ab51206 at a dilution of 1/50-1/100. Right hand image: treated with immunising peptide; left hand image: untreated.



Western blot - Tyrosine Hydroxylase (phospho S40) antibody (ab51206)

All lanes : Anti-Tyrosine Hydroxylase (phospho S40) antibody (ab51206)

Lane 1 : Extracts from RAW264.7 cells treated with UV (30min) with immunising peptide

Lane 2 : Extracts from RAW264.7 cells treated with UV (30min) with no immunising peptide

Predicted band size: 59 kDa

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