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Product datasheet

Anti-Tyrosine Hydroxylase antibody ab137721

★☆☆☆☆☆ **1 Abreviews**   **5 References**   7 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
经测试应用	**适用于:** IHC-FoFr, WB, ICC/IF, IHC-P
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Recombinant fragment, corresponding to a region within amino acids 150-490 of Human Tyrosine Hydroxylase.
阳性对照	NT2D1, PC-3, U87-MG, SK-N-SH, Mouse brain and PC-12 whole cell lysates; SK-N-SH cells; Human H661 xenograft and Rat hindlimb pad skin tissues.
常规说明	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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

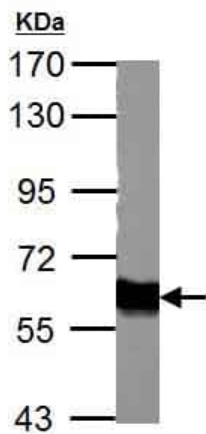| 应用	Ab评论	说明
IHC-FoFr		1/100 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 58 kDa.
ICC/IF		1/100 - 1/1000.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval using 10mM Citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0) before commencing with IHC staining protocol.

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

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tyrosine Hydroxylase antibody (ab137721)

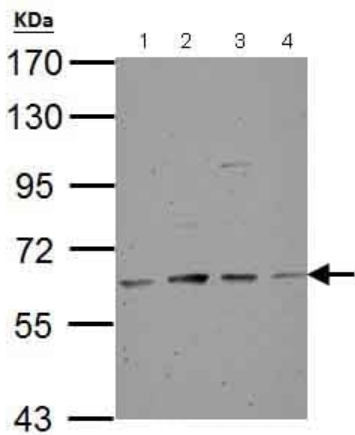Immunohistochemical analysis of paraffin-embedded H661 xenograft labelling Tyrosine Hydroxylase with ab137721 at 1/100 dilution.

Anti-Tyrosine Hydroxylase antibody (ab137721) at 1/1000 dilution +
PC-12 whole cell lysate at 30 µg

Predicted band size: 58 kDa

7.5% SDS-PAGE

Western blot - Anti-Tyrosine Hydroxylase antibody
(ab137721)

All lanes : Anti-Tyrosine Hydroxylase antibody (ab137721) at
1/500 dilution

Lane 1 : NT2D1 whole cell lysate
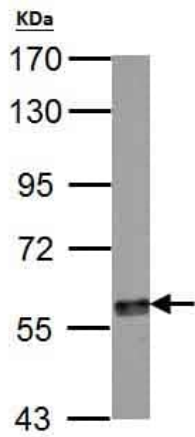**Lane 2 :** PC-3 whole cell lysate
Lane 3 : U87-MG whole cell lysate
Lane 4 : SK-N-SH whole cell lysate

Lysates/proteins at 30 µg per lane.
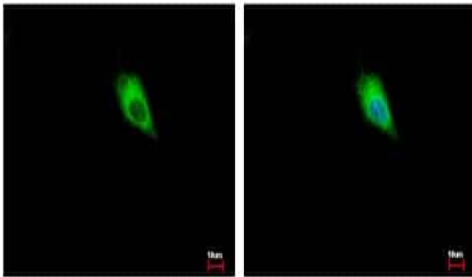
Predicted band size: 58 kDa

Western blot - Anti-Tyrosine Hydroxylase antibody
(ab137721)

7.5 % SDS-PAGE

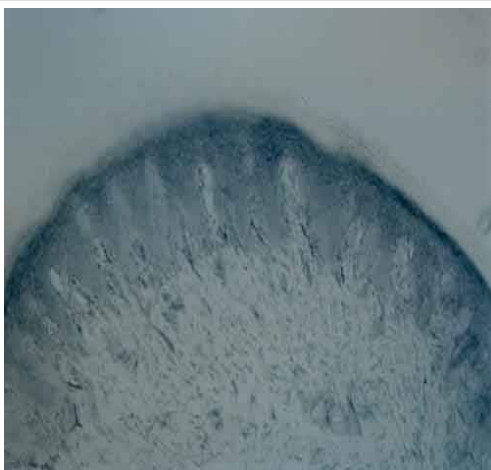Anti-Tyrosine Hydroxylase antibody (ab137721) at 1/500 dilution + Mouse brain lysate at 50 µg

Predicted band size: 58 kDa

7.5 % SDS-PAGE

Western blot - Anti-Tyrosine Hydroxylase antibody (ab137721)

Immunofluorescent analysis of methanol-fixed SK-N-SH cells labelling Tyrosine Hydroxylase with ab137721 at 1/500 dilution (left panel) and co-stained with Hoechst 33343 (right panel). SK-N-SH cells were fixed in -20°C 100% MeOH for 5 min.

Immunocytochemistry/ Immunofluorescence - Anti-Tyrosine Hydroxylase antibody (ab137721)

Immunohistochemical analysis of paraformaldehyde-fixed frozen sections of Rat hindlimb pad skin tissue labelling Tyrosine Hydroxylase with ab137721 at 1/100 dilution.

Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-Tyrosine Hydroxylase antibody (ab137721)

Immunohistochemical analysis of paraformaldehyde-fixed frozen sections of Rat hindlimb pad skin tissue labelling Tyrosine Hydroxylase with ab137721 at 1/100 dilution.

Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-Tyrosine Hydroxylase antibody (ab137721)

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