

Anti-Tyrosine Hydroxylase antibody ab137721

★☆☆☆☆ **1 Abreviews** **5 References** **画像数 7**

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 |
| アプリケーション | 適用あり: IHC-FoFr, WB, ICC/IF, IHC-P |
| 種交差性 | 交差種: Mouse, Rat, Human |
| 免疫原 | Recombinant fragment, corresponding to a region within amino acids 150-490 of Human Tyrosine Hydroxylase. |
| ポジティブ・コントロール | 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. |
| 特記事項 | <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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| バッファー | <p>pH: 7.00</p> <p>Preservative: 0.025% Proclin 300</p> <p>Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)</p> |
| 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

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ab137721の使用に適用されます

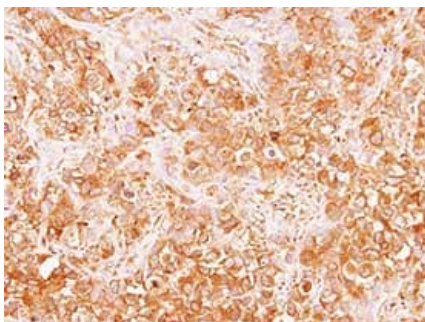
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|---|
| IHC-FoFr | | 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. |

ターゲット情報

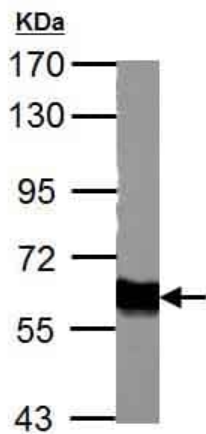
| | |
|-------|---|
| 機能 | Plays an important role in the physiology of adrenergic neurons. |
| 組織特異性 | Mainly expressed in the brain and adrenal glands. |
| パスウェイ | Catecholamine biosynthesis; dopamine biosynthesis; dopamine from L-tyrosine: step 1/2. |
| 関連疾患 | Defects in TH are the cause of dystonia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



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

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

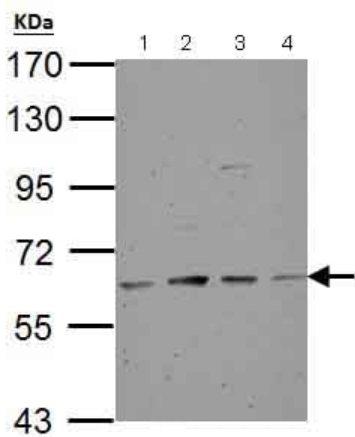


Western blot - Anti-Tyrosine Hydroxylase antibody (ab137721)

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

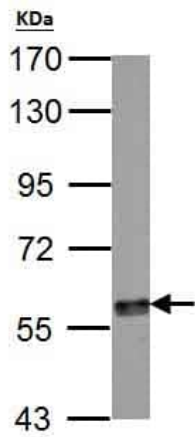
Lane 3 : U87-MG whole cell lysate

Lane 4 : SK-N-SH whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 58 kDa

7.5 % SDS-PAGE

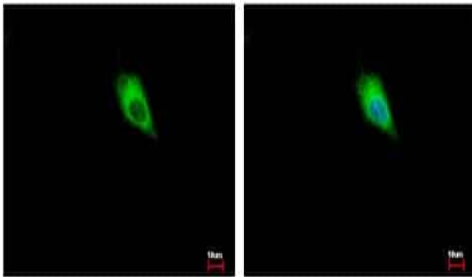


Western blot - Anti-Tyrosine Hydroxylase antibody (ab137721)

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

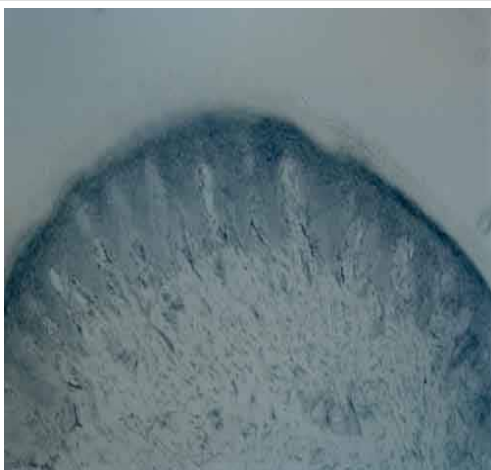
Predicted band size: 58 kDa

7.5 % SDS-PAGE



Immunocytochemistry/ Immunofluorescence - 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.



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.



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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