

Datasheet for ABIN185533

anti-Tryptophan Hydroxylase 2 antibody (Internal Region)

5 Images

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Overview

| | |
|----------------------|-----------------------------------------------------------------------------------|
| Quantity: | 100 µg |
| Target: | Tryptophan Hydroxylase 2 (TPH2) |
| Binding Specificity: | Internal Region |
| Reactivity: | Human |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | This Tryptophan Hydroxylase 2 antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS) |

Product Details

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Purpose: | Tryptophan hydroxylase 2 / TPH2 |
| Immunogen: | Peptide with sequence C-NKPNSGKNDDKGNK, from the internal region of the protein sequence according to NP_775489.2. |
| Sequence: | NKPNSGKNDD KGNK |
| Isotype: | IgG |
| Cross-Reactivity: | Cow, Dog, Human, Pig |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade: | Verified |

Target Details

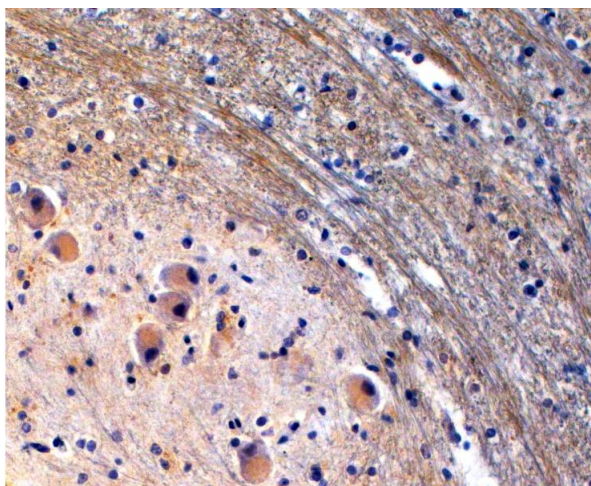
| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | Tryptophan Hydroxylase 2 (TPH2) |
| Alternative Name: | TPH2 (TPH2 Products) |
| Background: | TPH2, tryptophan hydroxylase 2, HGNC:20692, FLJ37295, NTPH , neuronal tryptophan hydroxylase, ADHD7, MGC138871, MGC138872, tryptophan 5-monooxygenase 2 |
| Gene ID: | 121278 |
| NCBI Accession: | NP_775489 |

Application Details

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Immunohistochemistry: In paraffin embedded Human Brain Stem shows staining of the cytoplasm of Purkinje cells and of neuron projections. Recommended concentration, 2-4 µg/mL. Peptide ELISA: antibody detection limit dilution 1:32000. |
| Comment: | Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U251 and A549 cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of U251 cells. Recommended concentration: |
| Restrictions: | For Research Use only |

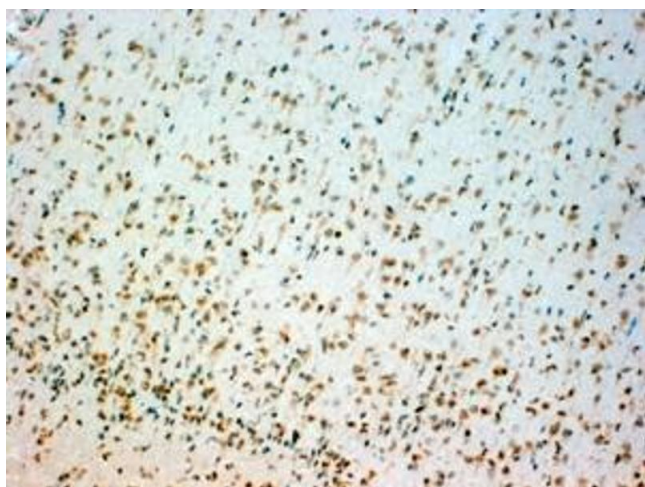
Handling

| | |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid |
| Concentration: | 0.5 mg/mL |
| Buffer: | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Minimize freezing and thawing. |
| Storage: | -20 °C |
| Storage Comment: | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable. |



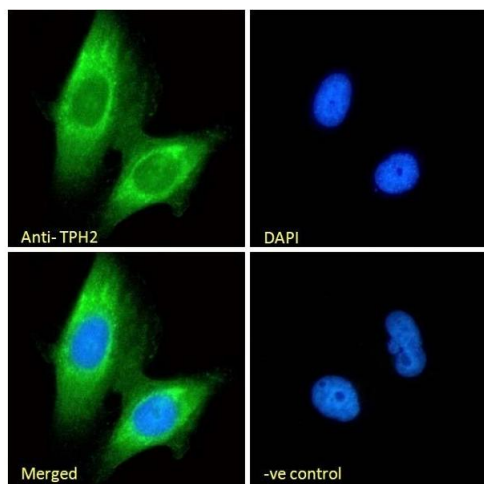
Immunohistochemistry

Image 1. (ABIN185533) (2 µg/mL) staining of paraffin embedded Human Brain Stem. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunohistochemistry

Image 2. ABIN185533 (4µg/ml) staining of paraffin embedded Human Brain Stem. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunofluorescence

Image 3. (ABIN185533) Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15 % Triton. Primary incubation 1hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing cytoplasmic staining. The nuclear stain is DAPI (b

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN185533.