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Tryptophan hydroxylase 2 / TPH2 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2480a

Specification

Tryptophan hydroxylase 2 / TPH2 Antibody (internal region) - Product Information

Application	**IHC, IF, FC**
Primary Accession	Q8IWU9
Other Accession	NP_775489.2, 121278
Reactivity	**Human**
Predicted	**Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**56057**

Tryptophan hydroxylase 2 / TPH2 Antibody (internal region) - Additional Information

Gene ID 121278

Other Names
Tryptophan 5-hydroxylase 2, 1.14.16.4, Neuronal tryptophan hydroxylase, Tryptophan 5-monooxygenase 2, TPH2, NTPH

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Tryptophan hydroxylase 2 / TPH2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Tryptophan hydroxylase 2 / TPH2 Antibody (internal region) - Protein Information

Name TPH2

Synonyms NTPH

Tissue Location
Brain specific.

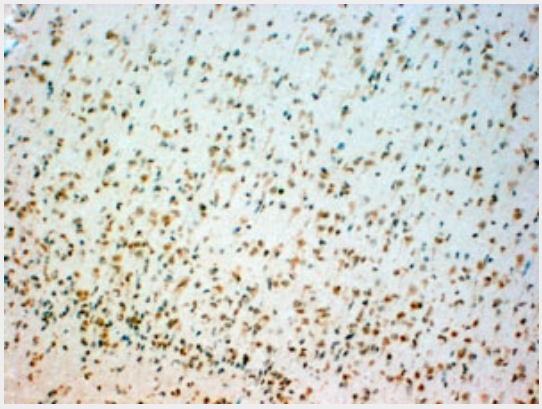
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Tryptophan hydroxylase 2 / TPH2 Antibody (internal region) - Protocols

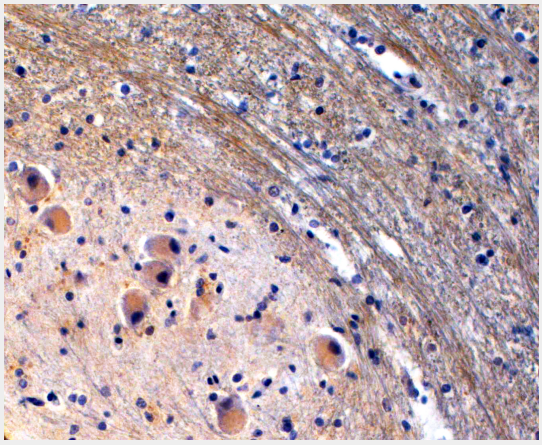
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Tryptophan hydroxylase 2 / TPH2 Antibody (internal region) - Images

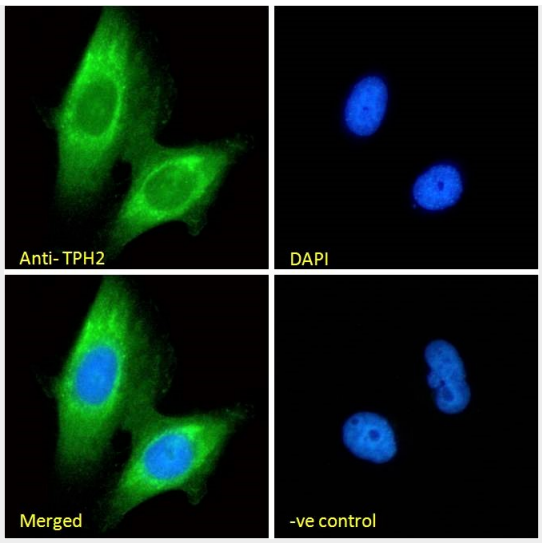


AF2480a (4 µg/ml) staining of paraffin embedded Human Brain Stem. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

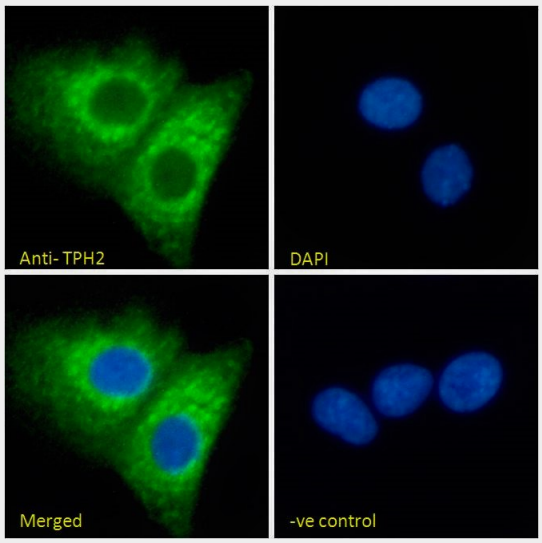


EB07050 (2µg/ml) staining of paraffin embedded Human Brain Stem. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

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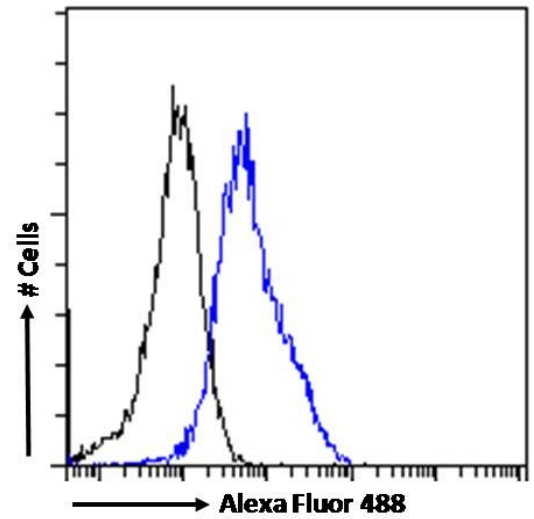


EB07050 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (b



EB07050 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (b

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EB07050 Flow cytometric analysis of paraformaldehyde fixed U251 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) fol

Tryptophan hydroxylase 2 / TPH2 Antibody (internal region) - References

Haplotype-based linkage of tryptophan hydroxylase 2 to suicide attempt, major depression, and cerebrospinal fluid 5-hydroxyindoleacetic acid in 4 populations. Zhou Z, Roy A, Lipsky R, Kuchipudi K, Zhu G, Taubman J, Enoch MA, Virkkunen M, Goldman D. Arch Gen Psychiatry. 2005 Oct;62(10):1109-18. PMID: 16203956