

Product Datasheet

Tryptophan hydroxylase 2 Antibody NB100-2447

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-2447**Tryptophan hydroxylase 2 Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

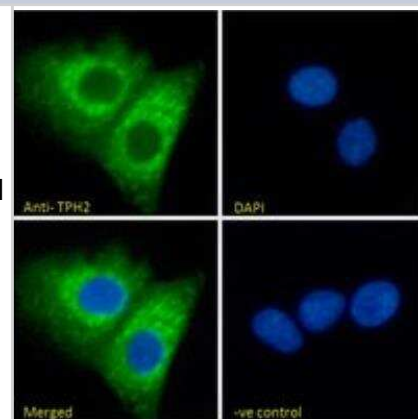
Product Description	
Host	Goat
Gene ID	121278
Gene Symbol	TPH2
Species	Human
Immunogen	Peptide with sequence C-NKPNSGKNDDKGNK corresponding to internal region according to NP_775489.2.

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Flow Cytometry 10 ug/mL, Immunohistochemistry 2 - 4 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 2 - 4 ug/mL, Peptide ELISA Detection limit 1:32000

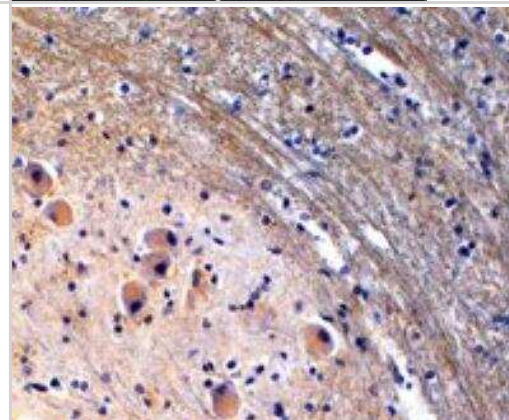


Images

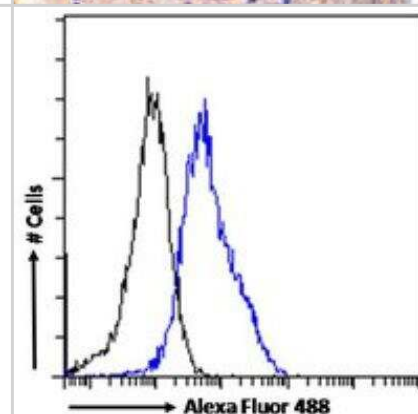
Immunocytochemistry/Immunofluorescence: Tryptophan hydroxylase 2 Antibody [NB100-2447] - Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



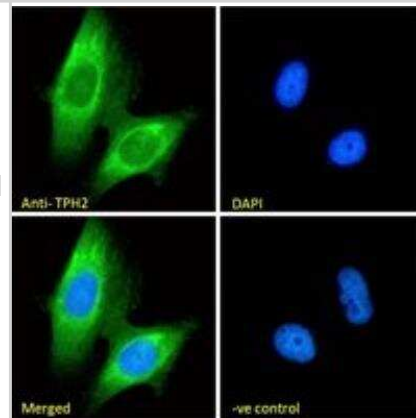
Immunohistochemistry-Paraffin: Tryptophan hydroxylase 2 Antibody [NB100-2447] - Staining of paraffin embedded Human Brain Stem. Antibody at 2 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



Flow Cytometry: Tryptophan hydroxylase 2 Antibody [NB100-2447] - 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) followed by Alexa Fluor 488 secondary antibody.



Immunocytochemistry/Immunofluorescence: Tryptophan hydroxylase 2 Antibody [NB100-2447] - 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 (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Publications

Jansch C Effects of SLC2A3 copy number variants on neurodevelopment and glucose metabolism in ADHD patient-specific neurons Thesis 2021-01-01 (ICC/IF, Human)

Zhou Z, Roy A, Lipsky R et al. Haplotype-based linkage of tryptophan hydroxylase 2 to suicide attempt, major depression, and cerebrospinal fluid 5-hydroxyindoleacetic acid in 4 populations. Arch Gen Psychiatry 2005-10-01 [PMID: 16203956]





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Products Related to NB100-2447

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NB100-74555PEP	Tryptophan hydroxylase 2 Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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