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EB07050 - Goat Anti-Tryptophan hydroxylase 2 / TPH2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TPH2, tryptophan hydroxylase 2, HGNC:20692, FLJ37295, NTPH, neuronal tryptophan hydroxylase, ADHD7, MGC138871, MGC138872, tryptophan

5-monooxygenase 2
Official Symbol: TPH2

Accession Number(s): NP_775489.2

Human GenelD(s): 121278

Immunogen

Peptide with sequence C-NKPNSGKNDDKGNK, from the internal region of the protein sequence according to NP_775489.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

IHC: In paraffin embedded Human Brain Stem shows staining of the cytoplasm of Purkinje cells and of neuron projections. Recommended concentration, 2-4µg/ml.

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: 10ug/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog, Pig, Cow

Specific References

This antibody (previous batch) has been successfully used in IF on Mouse:

Rahim RS, St John JA, Crane DI, Meedeniya ACB

Impaired neurogenesis and associated gliosis in mouse brain with PEX13 deficiency.

Mol Cell Neurosci. 2018 Apr;88:16-32

PMID: 29187321

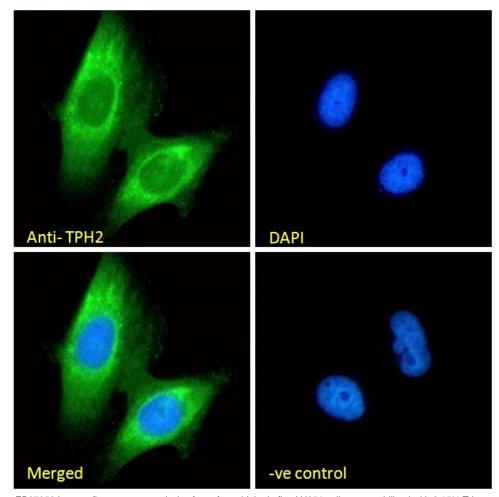
This antibody (previous batch) has been successfully used in IF in Mouse:

Rani Sadia Rahim, Mo Chen, C. Cathrin Nourse, Adrian C. B. Meedeniya and Denis I. Crane.

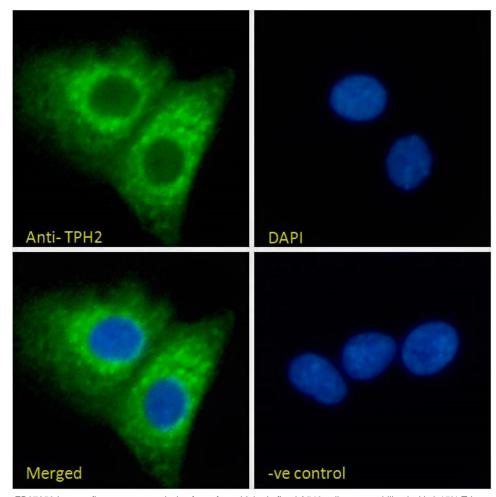
Mitochondrial Changes and Oxidative Stress in a Mouse Model of Zellweger Syndrome Neuropathogenesis.

Neuroscience 334 (2016) 201-213.

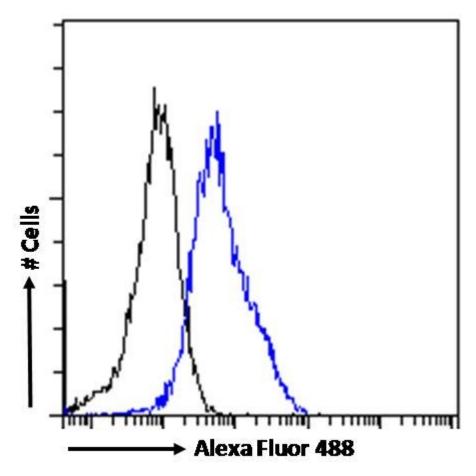
PMID: 27514574



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 (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

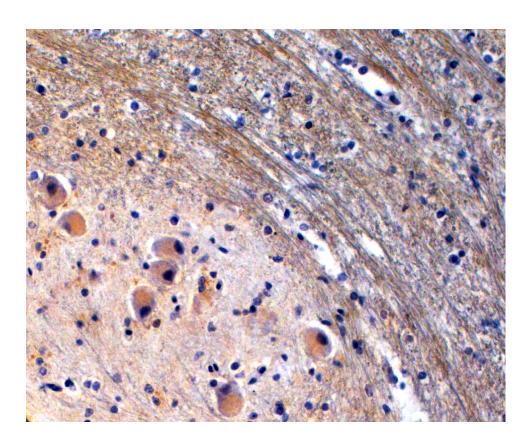


EB07050 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml)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



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) followed by Alexa Fluor 488 secondary antibody.



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