

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

**Research Use Only. Not for
diagnostic or therapeutic use.**

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-monoxygenase 2

Official Symbol: TPH2

Accession Number(s): NP_775489.2

Human GeneID(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 1:16000.

Western blot: Preliminary experiments in human brain lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml).

IHC: In paraffin embedded Human Brain Stem shows layered neuronal staining.

Recommended concentration: 4-6µg/ml.

Species Reactivity

Tested: Human

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

Specific Reference

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