EB11011 - Goat Anti-TPH2 (aa16-29) Antibody

Size: 100µg specific antibody in 200µl

International Office

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Target Protein

Principal Names: TPH2, tryptophan hydroxylase 2, ADHD7, FLJ37295, MGC138871, MGC138872, NTPH, neuronal tryptophan hydroxylase, tryptophan 5-hydroxylase 2, ADHD7, FLJ37295, MGC138871, MGC138872, neuronal tryptophan hydroxylase, NTPH, tryptophan 5-hydroxylase 2, tryptophan 5-monooxygenase 2, tryptophan hydroxylase 2, TPH2
Official Symbol: TPH2
Accession Number(s): NP_775489.2
Human GeneID(s): 121278
Non-Human GeneID(s): 216343 (mouse), 317675 (rat)

Immunogen

Peptide with sequence RGFSLDSAVPEEHQ-C, from the N Terminus 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.

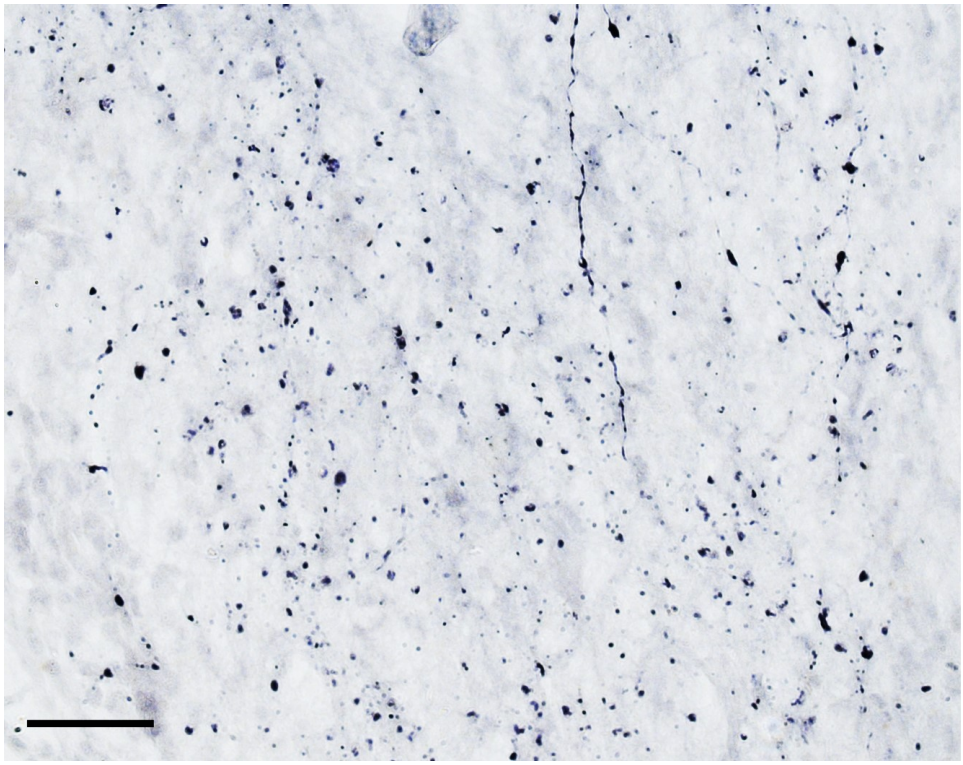
Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Approx 60kDa band observed in lysates of cell line HEK293 (calculated MW of 56.1kDa according to NP_775489.2). Recommended concentration: 0.5-2µg/ml. Primary incubation was 1 hour.
IHC: Cryosections of Human Hypothalamus. Optimal dilution 1:5000.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

EB11011 (0.5µg/ml) staining of HEK293 lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB11011 (scale bar: 50 µm) immunostaining of TPH2 processes in cryosection of the infundibular nucleus of an immersion-fixed (4% PFA) human hypothalamus. HRP-staining with Ni-DAB, after Biotin-SP-anti-goat (IgG) method. Data obtained by Drs. Éva Rumpler and Erik Hrabovszky, Inst, Exp, Med, Budapest, Hungary.