



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

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

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

Size: 100µg specific antibody in 200µl



### 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.

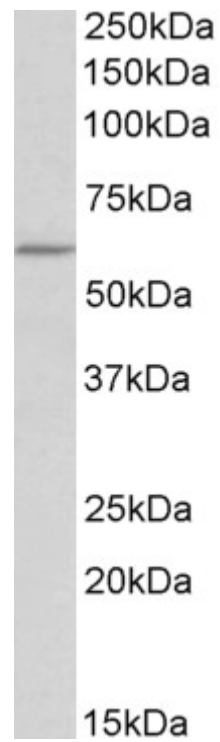
**Western blot:** Approx 60kDa band observed in lysates of cell line HEK293 (calculated MW of 56.1kDa according to NP\_775489.2). Recommended concentration: 0.5-2µg/ml. Primary incubation was 1 hour.

**IHC:** Cryosections of Human Hypothalamus. Optimal dilution 1:5000.

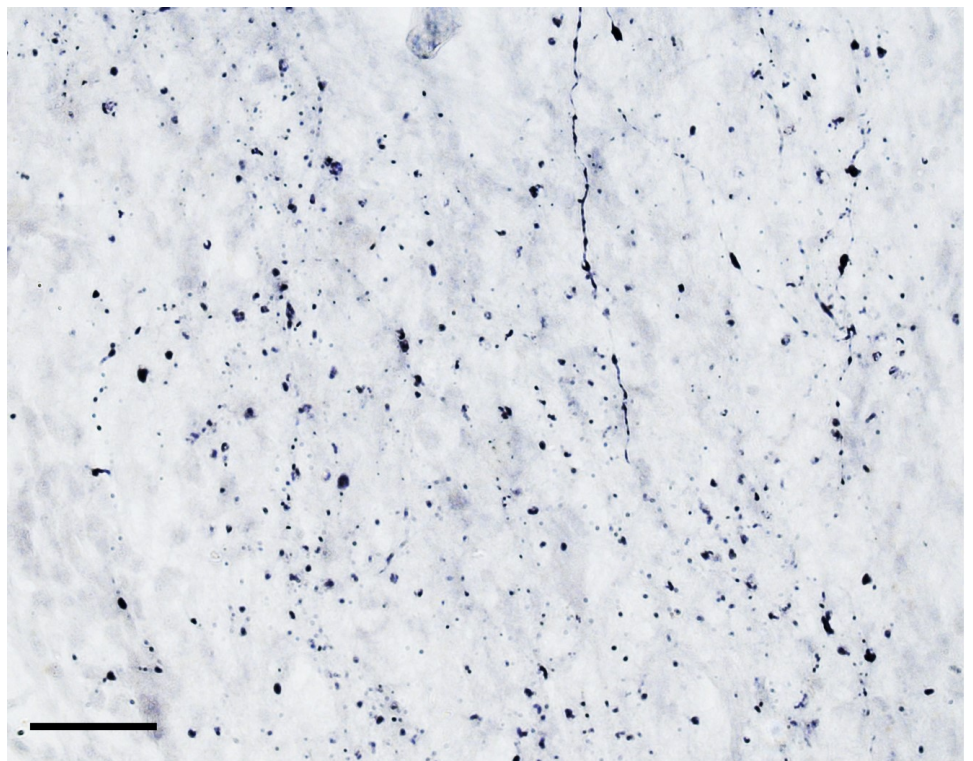
### Species Reactivity

**Tested:** Human

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



EB11011 (0.5 $\mu$ g/ml) staining of HEK293 lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB11011 (scale bar: 50  $\mu$ m) 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 Rimpler and Erik Hrabovszky, Inst, Exp, Med, Budapest, Hungary.