



## UK Office

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

## EB12221 - Goat Anti-neuronal pentraxin 1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NPTX1, neuronal pentraxin I, NP1, NP-I, neuronal pentraxin-1

**Official Symbol:** NPTX1

**Accession Number(s):** NP\_002513.2

**Human GeneID(s):** [4884](#)

### Immunogen

Peptide with sequence C-ERVKIETALTSLHQR, from the internal region of the protein sequence according to NP\_002513.2.

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 50kDa band observed in Human Brain (Amygdala and Frontal Cortex) lysates (calculated MW of 47.1kDa according to NP\_002513.2). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour. Additional bands of unknown identity was also consistently observed at 38 and 14kDa. These bands were successfully blocked by incubation with the immunizing peptide.

**IHC:** Paraffin embedded Human Brain (Cerebellum). Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB12221 (1µg/ml) staining of Human Frontal Cortex lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB12221 (5µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.