



## UK Office

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

## EB08196 - Goat Anti-Proenkephalin (mouse) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** proenkephalin

**Official Symbol:** PENK

**Accession Number(s):** NP\_001002927.1

**Non-Human GeneID(s):** 18619 (mouse), 29237 (rat)

### Immunogen

Peptide with sequence C-YKDSSKQDESH, from the internal region of the protein sequence according to NP\_001002927.1.

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.

**Western blot:** Preliminary experiments gave an approx 40kDa band in Rat Brain lysates after 0.2µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 30.8kDa according to Mouse NP\_001002927.1 and 30.9kDa according to Rat NP\_058835.1. The 40kDa band was successfully blocked by incubation with the immunizing peptide.

**IHC:** Frozen section of Rat Brain (Striatum) shows staining of dense enkephalinergic axon plexus. Frozen section of the Mouse Brain (Stria terminalis) shows staining of a dense enkephalinergic fibre network in the bed nucleus. Recommended concentration, 0.02-0.05µg/ml.

### Species Reactivity

**Tested:** Mouse, Rat

**Expected from sequence similarity:** Mouse, Rat

EB08196 (0.02µg/ml) staining of PFA-perfused cryosection of Rat Striatum. HRP-staining with Ni-DAB after Biotin-SP-anti-goat amplification. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.

EB08196 (0.02µg/ml) staining of PFA-perfused cryosection of Mouse Stria terminalis. HRP-staining with Ni-DAB after Biotin-SP-anti-goat amplification. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.