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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 GenelD(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.

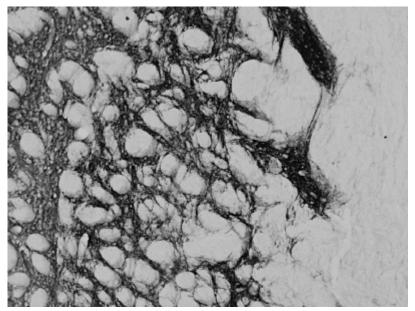
Western blot: Preliminary experiments gave an approx 40kDa band in Rat Brain lysates after 0.2μg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 30.8kDa according to Mouse NP_001002927.1 and 30.9kDa 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.

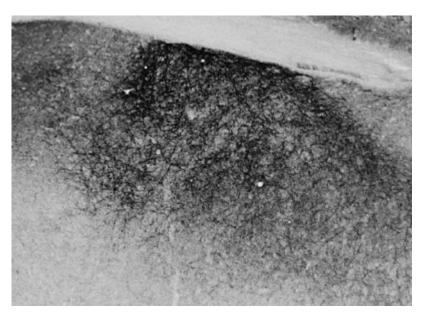
Species Reactivity

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.