

## Product datasheet for **AP32079PU-N**

### Penk Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	<b>Peptide ELISA:</b> 1/32000 (Detection Limit). <b>Western Blot:</b> Preliminary experiments gave an approx 40kDa band in Rat Brain lysates after 0.2 µg/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. <b>Immunohistochemistry on Frozen Sections:</b> 0.02-0.05 µg/ml. 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.
Reactivity:	Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Enkephalin antibody was raised against a synthetic peptide of Enkephalin.
Specificity:	This antibody recognizes Proenkephalin (PENK).
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified IgG fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



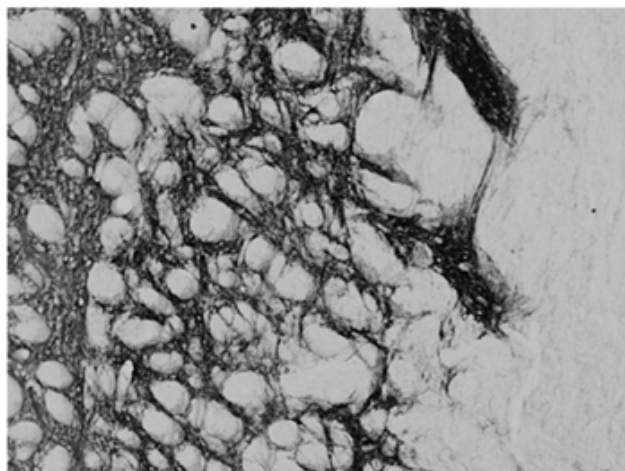
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Gene Name: preproenkephalin

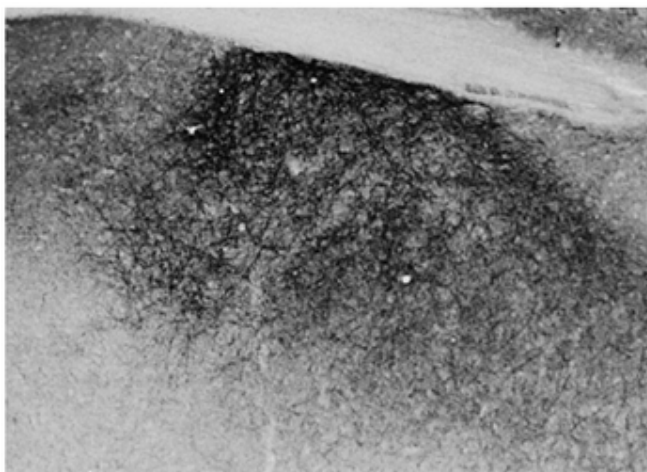
Database Link: [Entrez Gene 18619 Mouse P22005](#)

Synonyms: preproenkephalin; proenkephalin

### Product images:



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



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