

**Goat Anti-Proenkephalin Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1867a

### Specification

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#### Goat Anti-Proenkephalin Antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">P01210</a>
Other Accession	<a href="#">NP_006202</a> , <a href="#">5179</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	30787

#### Goat Anti-Proenkephalin Antibody - Additional Information

**Gene ID** 5179

#### Other Names

Proenkephalin-A, Synenkephalin, Met-enkephalin, Opioid growth factor, OGF, PENK(114-133), PENK(143-183), Met-enkephalin-Arg-Gly-Leu, Leu-enkephalin, PENK(237-258), Met-enkephalin-Arg-Phe, PENK

#### Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat Anti-Proenkephalin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-Proenkephalin Antibody - Protein Information

**Name** PENK ([HGNC:8831](#))

#### Function

[Met-enkephalin]: Neuropeptide that competes with and mimic the effects of opiate drugs. They play a role in a number of physiologic functions, including pain perception and responses to stress.

#### Cellular Location

Cytoplasmic vesicle, secretory vesicle, chromaffin granule lumen

{ECO:0000250|UniProtKB:P01211}. Secreted {ECO:0000250|UniProtKB:P01211}

### Goat Anti-Proenkephalin Antibody - Protocols

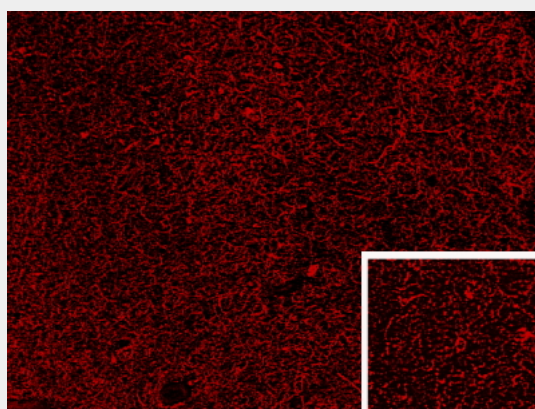
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Goat Anti-Proenkephalin Antibody - Images



AF1867a (0.3  $\mu\text{g/ml}$ ) staining of Human Adrenal Gland lysate (35  $\mu\text{g}$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1867a (0.3  $\mu\text{g/ml}$ ) staining of PFA-perfused cryosection of Human Hypothalamus. Antigen retrieval with citrate buffer pH 6 at 80C for 30min, Cy3-staining. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.

### Goat Anti-Proenkephalin Antibody - References

The role of height-associated loci identified in genome wide association studies in the determination of pediatric stature. Zhao J, et al. BMC Med Genet, 2010 Jun 14. PMID 20546612.

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

Midregional Proenkephalin A and N-terminal Protachykinin A are decreased in the cerebrospinal fluid of patients with dementia disorders and acute neuroinflammation. Ernst A, et al. J Neuroimmunol, 2010 Apr 15. PMID 20207019.

Genetical genomic determinants of alcohol consumption in rats and humans. Tabakoff B, et al. BMC Biol, 2009 Oct 27. PMID 19874574.

Identification of new putative susceptibility genes for several psychiatric disorders by association analysis of regulatory and non-synonymous SNPs of 306 genes involved in neurotransmission and neurodevelopment. Gratac<sup>3</sup>s M, et al. Am J Med Genet B Neuropsychiatr Genet, 2009 Sep 5. PMID 19086053.