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

Specification

Goat Anti-Proenkephalin Antibody - Product Information

Application	**WB, IHC, E**
Primary Accession	P01210
Other Accession	NP_006202, 5179
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

Dilution
WB~~1:1000
IHC~~1:100~500
E~~N/A

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}

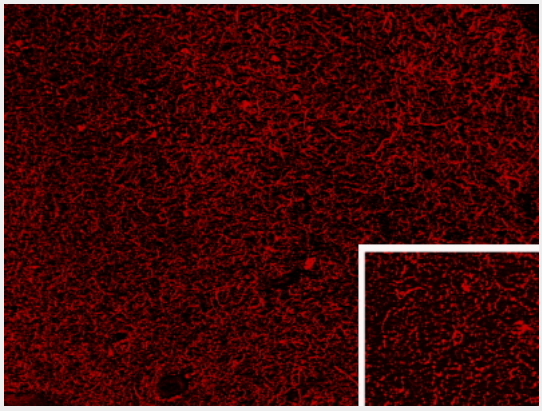
Goat Anti-Proenkephalin Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-Proenkephalin Antibody - Images

AF1867a (0.3 µg/ml) staining of Human Adrenal Gland lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1867a (0.3 µg/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

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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□s M, et al. Am J Med Genet B Neuropsychiatr Genet, 2009 Sep 5. PMID 19086053.