

Datasheet for ABIN677633
anti-Enkephalin antibody[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	Enkephalin (PENK)
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Enkephalin antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PENK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	Enkephalin (PENK)
Alternative Name:	Enkephalin (PENK Products)
Background:	Synonyms: Enkephalin A, PENK, P ENK, Preproencephalin A, Proenkephalin A, Proenkephalin, Synenkephalin, Opioid growth factor, OGF, Leu enkephalin, Met enkephalin, PENK protein, ProenkephalinA, lipotropin gamma, COLI_HUMAN. Background: This gene encodes a polypeptide hormone precursor that undergoes extensive,

Target Details

tissue-specific, post-translational processing via cleavage by subtilisin-like enzymes known as prohormone convertases. There are eight potential cleavage sites within the polypeptide precursor and, depending on tissue type and the available convertases, processing may yield as many as ten biologically active peptides involved in diverse cellular functions. The encoded protein is synthesized mainly in corticotroph cells of the anterior pituitary where four cleavage sites are used, adrenocorticotrophin, essential for normal steroidogenesis and the maintenance of normal adrenal weight, and lipotropin beta are the major end products. In other tissues, including the hypothalamus, placenta, and epithelium, all cleavage sites may be used, giving rise to peptides with roles in pain and energy homeostasis, melanocyte stimulation, and immune modulation. These include several distinct melanotropins, lipotropins, and endorphins that are contained within the adrenocorticotrophin and beta-lipotropin peptides. Mutations in this gene have been associated with early onset obesity, adrenal insufficiency, and red hair pigmentation. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2008].

Gene ID:	5179
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	WB: 1:100-1000, IHC-P: 1:100-500, IF(IHC-P): 1:50-200 Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

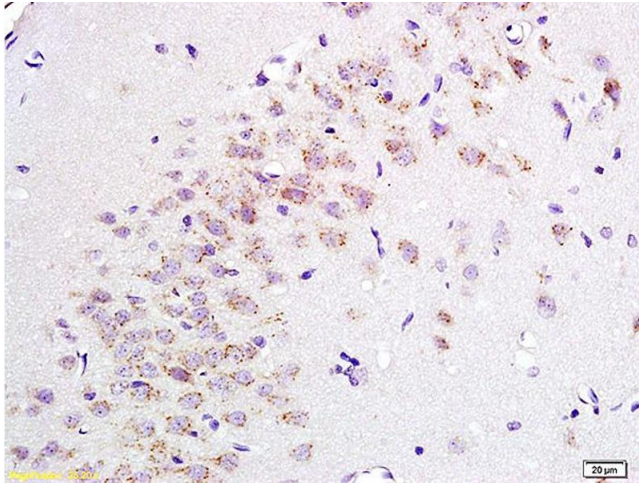
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.

Handling

Expiry Date: 12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti ENKEPHALIN/P-ENK Polyclonal Antibody, Unconjugated (ABIN677633) at 1:200 followed by conjugation to the secondary antibody and DAB staining.