

## ARG64376 anti-Proenkephalin antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes Proenkephalin
Tested Reactivity	Hu
Tested Application	IHC-Fr, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Proenkephalin
Species	Human
Immunogen	C-RSHHQDGSNNEE
Conjugation	Un-conjugated
Alternate Names	143-183; PENK-A; PE; 114-133; Proenkephalin-A; 237-258; OGF; Opioid growth factor

### Application Instructions

Application table	Application	Dilution
	IHC-Fr	0.3 - 1 µg/ml
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

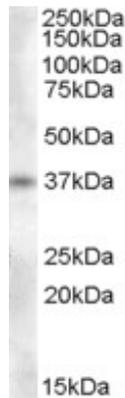
### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

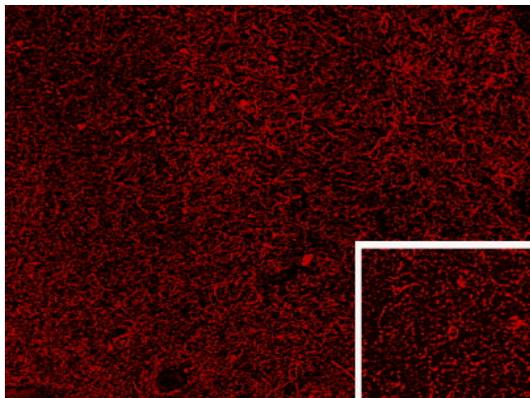
Database links	<a href="#">GeneID: 5179 Human</a> <a href="#">Swiss-port # P01210 Human</a>
Gene Symbol	PENK
Gene Full Name	proenkephalin
Background	This gene encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include the pentapeptide opioids Met-enkephalin and Leu-enkephalin, which are stored in synaptic vesicles, then released into the synapse where they bind to mu- and delta-opioid receptors to modulate the perception of pain. Other non-opioid cleavage products may function in distinct biological activities. [provided by RefSeq, Jul 2015]
Function	Met- and Leu-enkephalins compete 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. PENK(114-133) and PENK(237-258) increase glutamate release in the striatum. PENK(114-133) decreases GABA concentration in the striatum. [UniProt]
Research Area	Neuroscience antibody
Calculated Mw	31 kDa
PTM	The N-terminal domain contains 6 conserved cysteines thought to be involved in disulfide bonding and/or processing.

## Images



ARG64376 anti-Proenkephalin antibody WB image

Western Blot: Human Adrenal Gland lysate (35 µg protein in RIPA buffer) stained with ARG64376 anti-Proenkephalin antibody at 0.3 µg/ml dilution.



ARG64376 anti-Proenkephalin antibody IHC-Fr image

Immunohistochemistry: PFA-perfused cryosection of Human hypothalamus tissue stained with ARG64376 anti-Proenkephalin antibody at 0.3 µg/ml dilution.