



PENK Monoclonal Antibody

Catalog No	YP-mAb-10629
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PENK
Immunogen	Synthetic peptide from human protein at AA range: 51-100
Specificity	The antibody detects endogenous PENK protein
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Opioid growth factor;PENK;proenkephalin;Proenkephalin A;Proenkephalin-A
Observed Band	33kD
Calculated Molecular Weight	33kD
Cell Pathway	Cytoplasmic vesicle, secretory vesicle, chromaffin granule lumen . Secreted .
Tissue Specificity	Brain,Cerebellum,Testis,
Function	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.,PTM:The N-terminal domain contains 6 conserved cysteines thought to be involved in disulfide bonding and/or processing., similarity:Belongs to the opioid neuropeptide precursor family.,
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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PENK Monoclonal Antibody