



# PENK Monoclonal Antibody

Catalog No	BYmab-10629
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	PENK
Protein Name	proenkephalin
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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PENK
Observed Band	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

**Nanjing BYabscience technology Co.,Ltd**



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