

Rabbit PENK Polyclonal Antibody | anti-PENK antibody

PENK Polyclonal Antibody

CATALOG # AAA279461	HOST Rabbit	APPLICATIONS Immunocytochemistry, Immunofluorescence, ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PENK; Polyclonal Antibody; PENK Polyclonal Antibody; anti-PENK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence Length	267
Applicable Applications for anti-PENK antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 25-267 of human PENK (NP_001129162.1).
Species Reactivity/CrossReactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

IMAGES



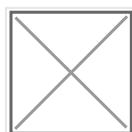
IF (Immunofluorescence)

Immunofluorescence analysis of Human adrenal gland cells using PENK Rabbit pAb (AAA279461) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.



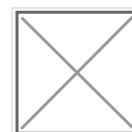
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse brain using PENK antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate using PENK antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of THP-1 cells, using PENK antibody (AAA279461) at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25?g per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 120s.

ADDITIONAL INFORMATION

Related Product Information for anti-PENK antibody	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.
Product Categories/Family for anti-PENK antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	129770
NCBI GeneID	5179
UniProt Accession #	P01210; Q6FHC6; Q6FHE6; B2RC23
Molecular Weight	Observed MW: 36kDa Calculated MW: 31kDa
NCBI Official Full Name	Proenkephalin-A
NCBI Official Synonym Full Names	proenkephalin
NCBI Official Symbol	PENK
NCBI Protein Information	proenkephalin-A; enkephalin A; preproenkephalin
UniProt Protein Name	Proenkephalin-A
UniProt Gene Name	PENK
UniProt Synonym Gene Names	OGF
UniProt Entry Name	PENK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.