

Rabbit anti-Human PENK Polyclonal Antibody | anti-PENK antibody

PENK Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283302	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

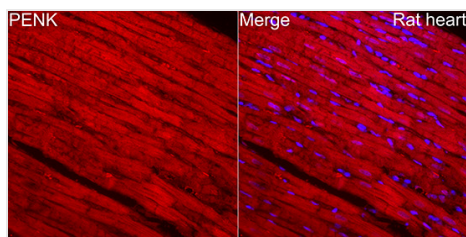
PRODUCT SYNONYMS

PENK; Polyclonal Antibody; PENK Rabbit pAb; PE; PENK-A; Proenkephalin-A; anti-PENK antibody

PRODUCT SPECIFICATIONS

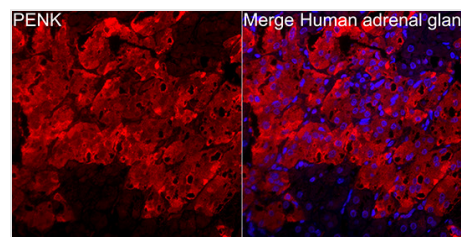
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	LANSSDLLKE LLETGDNRR SHHQDGSNE EEVSKRYGGF MRGLKRSPQL EDEAKELQKR YGGFMRRVGR PEWWMMDYQKR YGGFLKRFAE ALPSDEEGES YSKEVPEMEK RYGGFMRF
Applicable Applications for anti-PENK antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 150-267 of human PENK(NP_001129162.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



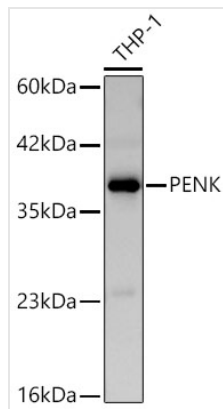
IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Rat heart tissue using PENK Rabbit pAb(AAA283302) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded Human adrenal gland tissue using PENK Rabbit pAb(AAA283302) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



WB (Western Blot)

Western blot analysis of lysates from THP-1 cells using PENK Rabbit pAb (AAA283302) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

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	Signal Transduction ; Cell Biology Developmental Biology ; Growth factors ; Neuroscience ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	208879446
NCBI GeneID	5179
NCBI Accession #	NP_001129162.1
NCBI GenBank Nucleotide #	NM_001135690.1
UniProt Accession #	P01210 ; Q6FHC6 ; Q6FHE6 ; B2RC23
Molecular Weight	Calculated MW: 31kDa Observed MW: 36kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/penk-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283302>