

Rabbit Proenkephalin/PENK Polyclonal Antibody | anti-PENK antibody

Proenkephalin/PENK Rabbit anti-Human Polyclonal (aa 25-267) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162886	Rabbit	Mouse, Rat, Human	Western Blot, Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

Proenkephalin/PENK; Polyclonal Antibody; Proenkephalin/PENK Rabbit anti-Human Polyclonal (aa 25-267) Antibody; PathPlus Proenkephalin/PENK Antibody (aa 25-267); PENK; Enkephalin A; Met enkephalin; Preproenkephalin; Proenkephalin; Proenkephalin-A; anti-PENK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human Proenkephalin/PENK
Purity/Purification	Affinity purified
Form/Format	PBS, pH7.3, 0.02% Sodium Azide, 50% Glycerol
Concentration	2.08mg/ml (varies by lot)
Applicable Applications for anti-PENK antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human Proenkephalin/PENK
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 25-267 of human PENK (NP_001129162.1). ECSQDCATCSYRLVRPADINFLACVMECEGKLPSLKIWETCKELLQLSKPELPQDGTSTLRENSKPEESHLLAKRYGGFMKRYGGFMKKMDELYPMEPE
Conjugation	Unconjugated
Epitope	aa 25-267
Family	Endogenous opioids
Preparation and Storage	Store at -20 degree C. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Proenkephalin/PENK Antibody-Human Adrenal: Formalin-Fixed, Paraffin-Embedded (FFPE), at a dilution of 1:100.



WB (Western Blot)

Proenkephalin/PENK Antibody-Western blot analysis of extracts of various cell lines.

ADDITIONAL INFORMATION

Related Product Information for anti-PENK antibody	PENK antibody is an unconjugated rabbit polyclonal antibody to PENK (Proenkephalin)(aa 25-267) from human. It is reactive with human, mouse and rat. Validated for IHC and WB. Cited in 1 publication. PENK (proenkephalin) is an endogenous opioid polypeptide hormone that produces multiple enkephalin peptides. 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.
References	The UniProt Consortium. Nucleic Acids Res. 47: D506-515 (2019); Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID:26553804

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453876
NCBI GeneID	5179
NCBI Accession #	NP_006202.1
NCBI GenBank Nucleotide #	NM_006211
UniProt Accession #	P01210; Q6FHC6; Q6FHE6; B2RC23
Molecular Weight	30,787 Da
NCBI Official Full Name	proenkephalin-A preproprotein
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/proenkephalin-penk-antibody-western-blot-immunohistochemistry-immunohistochemistry-elisa/162886>