

Rat Proenkephalin-A ELISA Kit | Penk elisa kit

Rat Proenkephalin-A ELISA Kit

CATALOG #
AAA101474

REACTIVITY
Rat

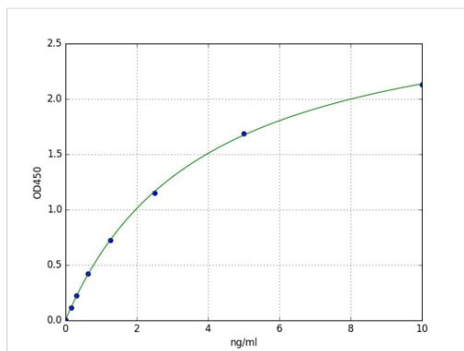
PRODUCT SYNONYMS

Proenkephalin-A; Rat Proenkephalin-A ELISA Kit; Penk/Proenkephalin-A; Penk elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	267
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Rat Penk ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.078	0.151	0.216	0.367	0.594	1.056	1.764	1.907

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Penk elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Penk antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Penk antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Penk amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Penk can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

208879446

NCBI GeneID	5179
NCBI Accession #	NP_001129162.1
NCBI GenBank Nucleotide #	NM_001135690.2
Molecular Weight	30,787 Da
NCBI Official Full Name	proenkephalin-A preproprotein
NCBI Official Synonym Full Names	proenkephalin
NCBI Official Symbol	PENK
NCBI Official Synonym Symbols	PE; PENK-A
NCBI Protein Information	proenkephalin-A
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/penk-rat-elisa-kits/proenkephalin-a/101474>