

Human Nesfatin-1 ELISA Kit | NUCB2 elisa kit

Human Nesfatin-1 ELISA Kit

CATALOG # AAA106079	REACTIVITY Human	APPLICATIONS ELISA
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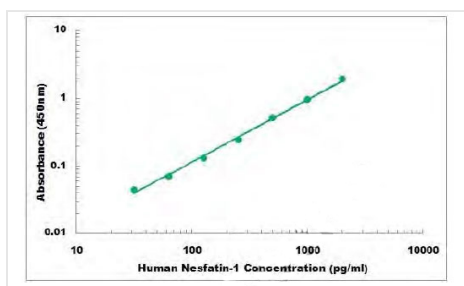
PRODUCT SYNONYMS

Nesfatin-1; Human Nesfatin-1 ELISA Kit; NEFA; Nucleobindin-2; DNA-binding protein NEFA; Gastric cancer antigen Zg4; Prepronesfatin; NUCB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Nesfatin-1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Nesfatin-1 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	420
Samples	Cell culture supernatants, serum
Sensitivity	< 10 pg/ml
Applicable Applications for NUCB2 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NUCB2 elisa kit	Principle of the Assay: The AAA Biotech' Human Nesfatin-1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Nesfatin-1 in Cell Culture Supernatants, Serum. This assay employs an antibody specific for Human Nesfatin-1 coated on a 96-well plate. Standards and samples are pipetted into the wells and Nesfatin-1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Nesfatin-1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Nesfatin-1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Nesfatin-1 is a naturally occurring protein molecule produced by the brains of mammals. It is responsible for regulating appetite and production of body fat. Nesfatin-1 is a metabolic polypeptide encoded in the N-terminal region of the protein precursor, Nucleobindin2 (NUCB2). Recombinant human Nesfatin-1 is a 9.7 kDa protein containing 82 amino acid residues. Originally identified as a hypothalamic neuropeptide, Nesfatin-1 is also expressed in other areas of the brain, and in pancreatic islets of Langerhans, gastric endocrine cells and adipocytes. Nesfatin-1 plays a role in hunger and energy regulation in an independent manner.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4826870
NCBI GeneID	4925
NCBI Accession #	NP_005004.1
NCBI GenBank Nucleotide #	NM_005013.2
UniProt Accession #	P80303; Q8NFT5; A8K642; D3DQX5
Molecular Weight	50,201 Da
NCBI Official Full Name	nucleobindin-2
NCBI Official Synonym Full Names	nucleobindin 2
NCBI Official Symbol	NUCB2
NCBI Official Synonym Symbols	NEFA; HEL-S-109
NCBI Protein Information	nucleobindin-2; nesfatin 1; nesfatin-1; pronefastin; prepronesfatin; nucleobinding 2; DNA-binding protein NEFA; gastric cancer antigen Zg4; epididymis secretory protein Li 109
UniProt Protein Name	Nucleobindin-2
UniProt Gene Name	NUCB2
UniProt Synonym Gene Names	NEFA
UniProt Entry Name	NUCB2_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.