

PAA242Hu08

Polyclonal Antibody to Nesfatin 1 (NES1)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: NES1-OVA

Purification: Affinity Chromatography.

Clonality: Polyclonal

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Host: Rabbit

Concentration: 200µg/mL

Immunoglobulin Type: IgG

UOM: 100µg

[IMMUNOGEN INFORMATION]

Immunogen: Synthetic Peptide, NES1 conjugated to OVA.

Accession No.: CPA242Hu22

Sequence: The target peptide sequence is listed below.

SKELDLVSHHVRTKLDEL

[RELEVANCE]

Nesfatin-1 is a neuropeptide produced in the hypothalamus of mammals. It participates in the regulation of hunger and fat storage. Increased nesfatin-1 in the hypothalamus contributes to diminished hunger, a 'sense of fullness', and a potential loss of body fat and weight. Nesfatin-1 can cross the blood - brain barrier without saturation. The receptors within the brain are in the hypothalamus and the solitary nucleus, where nesfatin-1 is believed to be produced via peroxisome proliferator-activated receptors (PPARs). It appears there is a

relationship between nesfatin-1 and cannabinoid receptors. Nesfatin-1-induced inhibition of feeding may be mediated through the inhibition of orexigenic NPY neurons.

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against NES1 conjugated to OVA. It has been selected for its ability to recognize NES1 in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.