

Nesfatin-1/Nucleobindin-2 Polyclonal Antibody

catalog number: AN005880L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

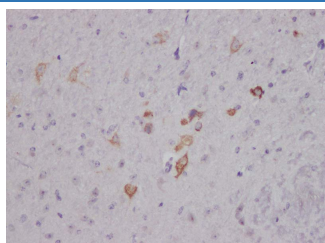
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human Nesfatin-1/Nucleobindin-2 protein expressed by E.coli
Host	Rabbit
Isotype	IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
buffer	PBS with 0.05% proclin 300, 1% protective protein and 50% glycerol,pH7.4

Applications

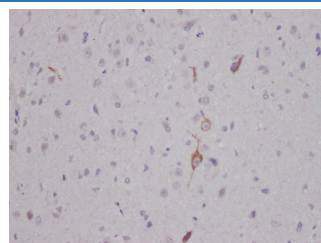
Recommended Dilution

IHC	1:500-1:1000
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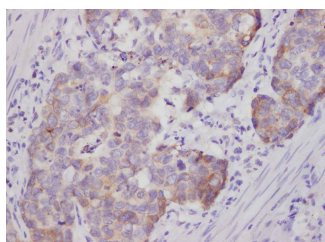
Data



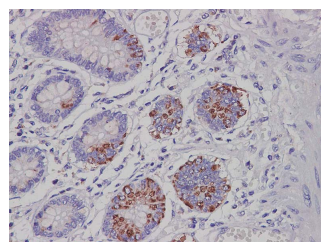
Immunohistochemistry of paraffin-embedded Mouse brain using Nesfatin-1/Nucleobindin-2 Polyclonal Antibody at dilution of 1:950.



Immunohistochemistry of paraffin-embedded Rat brain using Nesfatin-1/Nucleobindin-2 Polyclonal Antibody at dilution of 1:950.



Immunohistochemistry of paraffin-embedded Human gastric cancer using Nesfatin-1/Nucleobindin-2 Polyclonal Antibody at dilution of 1:950.



Immunohistochemistry of paraffin-embedded Human small intestine using Nesfatin-1/Nucleobindin-2 Polyclonal Antibody at dilution of 1:950.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

For Research Use Only

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Nesfatin-1 (NEFA Encoded Satiety and Fat-influencing protein 1) is a secreted, 10 kDa peptide derived from the translation product of the NUCB2 gene. Nesfatin-1 is associated with neurons involved in feeding (ARH and PVH) and fluid intake (SON and PVH), in beta cells of the pancreas, and in adipocytes. Its presence peripherally has an anorexigenic effect. Mature human Nesfatin-1 is 82 amino acids (aa) in length. It is the secreted N-terminus of a larger, intracellular 420 aa precursor termed NEFA/Nucleobindin-2/NUCB2. NUCB2 contains a signal sequence (aa 1-24), Nesfatin-1 (aa 25-106), a DNA-binding site (aa 171-223), and two EF-hand regions (aa 241-276 and 293-328). Intracellular uncleaved NUCB2 is 45-50 kDa in size. There is a potential for multiple cleavages, generating Nesfatin-2 (aa 109-187) and Nesfatin-3 (aa 190-420). Human Nesfatin-1 shares 85% aa identity with mouse Nesfatin-1.

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