



Rabbit Anti-Nucleobindin 2 antibody

SL23043R

Product Name:	Nucleobindin 2
Chinese Name:	新的饱食分子蛋白抗体
Alias:	DNA binding protein NEFA; DNA-binding protein NEFA; Gastric cancer antigen Zg4; NEFA; Nucb2; NUCB2_HUMAN; Nucleobindin-2; Nucleobinding 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	47kDa
Cellular localization:	The nucleuscytoplasmicThe cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Nucleobindin 2:161-250/420
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a protein with a suggested role in calcium level maintenance, eating regulation in the hypothalamus, and release of tumor necrosis factor from vascular endothelial cells. This protein binds calcium and has EF-folding domains. [provided by RefSeq, Oct 2011]. Function:

Calcium-binding protein. May have a role in calcium homeostasis.
Nesfatin-1: Anorexigenic peptide, seems to play an important role in hypothalamic pathways regulating food intake and energy homeostasis, acting in a leptin-independent manner. May also exert hypertensive roles and modulate blood pressure through directly acting on peripheral arterial resistance.

Subcellular Location:

Golgi apparatus. Membrane; Peripheral membrane protein. Cytoplasm. Secreted.
Endoplasmic reticulum. Nucleus envelope. Note=Golgi retention is mediated by its N-terminal region.
Nesfatin-1: Secreted.

Tissue Specificity:

Predominantly expressed in spleen, testis and normal stomach.

Similarity:

Belongs to the nucleobindin family.
Contains 2 EF-hand domains.

SWISS:

P80303

Gene ID:

4925

Database links:

[Entrez Gene: 4925](#)Human

[Entrez Gene: 53322](#)Mouse

[Entrez Gene: 59295](#)Rat

[Omim: 608020](#)Human

[SwissProt: P80303](#)Human

[SwissProt: P81117](#)Mouse

[SwissProt: Q9JI85](#)Rat

[Unigene: 654599](#)Human

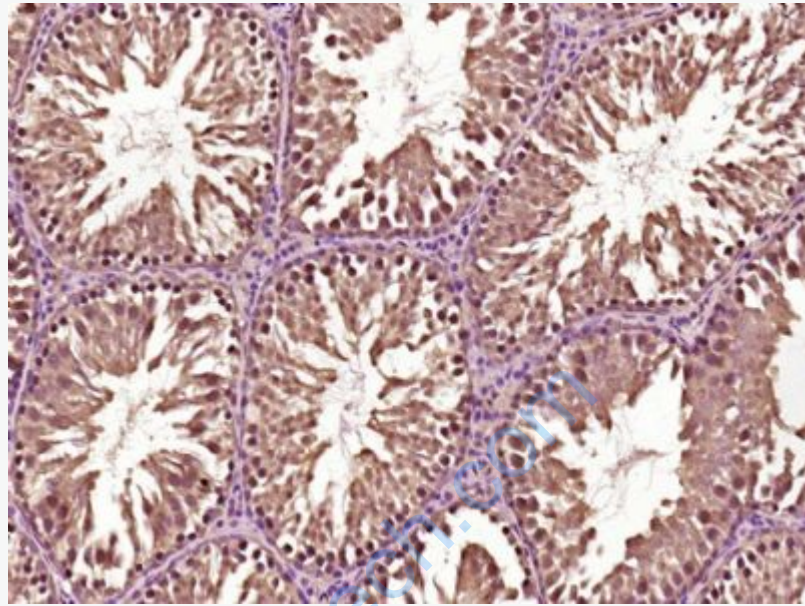
[Unigene: 9901](#)Mouse

[Unigene: 41602](#)Rat

Important Note:

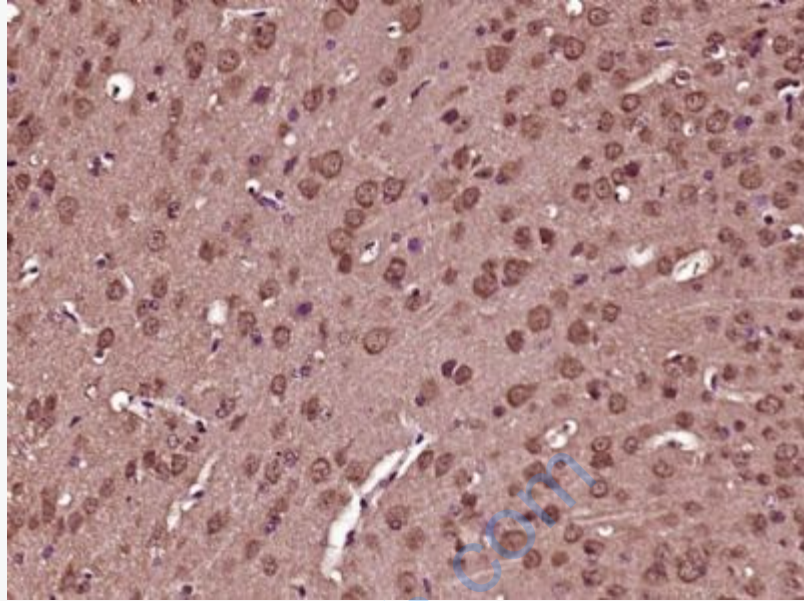
This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

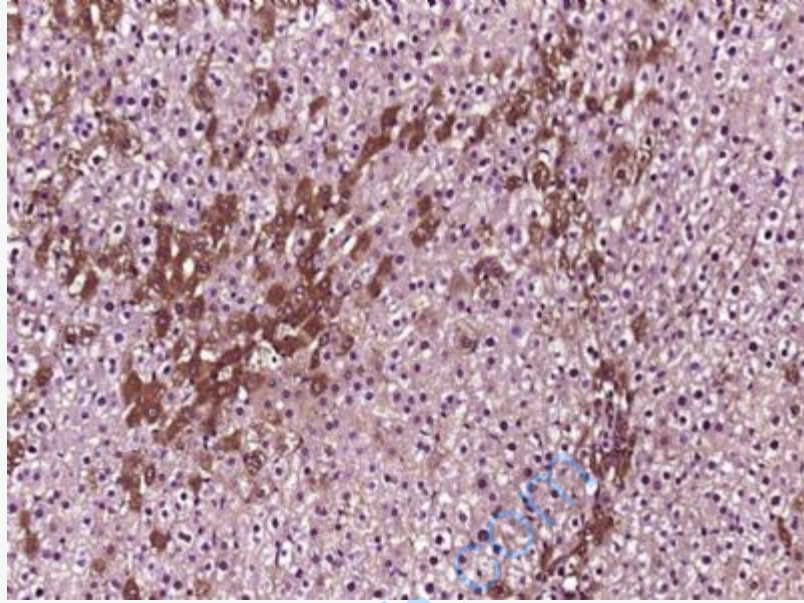


Picture:

Paraformaldehyde-fixed, paraffin embedded (Rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Nucleobindin 2) Polyclonal Antibody, Unconjugated (SL23043R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NUCB2) Polyclonal Antibody, Unconjugated (SL23043R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NUCB2) Polyclonal Antibody, Unconjugated (SL23043R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.