SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-Nucleobindin 2 antibody

SL23044R

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,Chicken,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	50kDa
Cellular localization:	The nucleuscytoplasmicThe cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Nucleobindin 2:251-350/420
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: 4925Human

Entrez Gene: 53322Mouse

Entrez Gene: 59295Rat

Omim: 608020Human

SwissProt: P80303Human

SwissProt: P81117Mouse

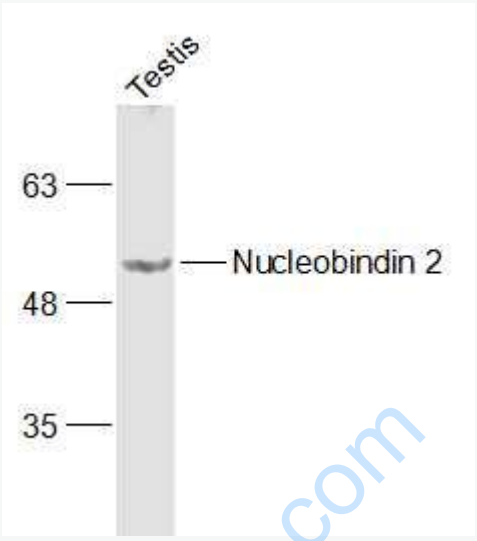
SwissProt: Q9JI85Rat

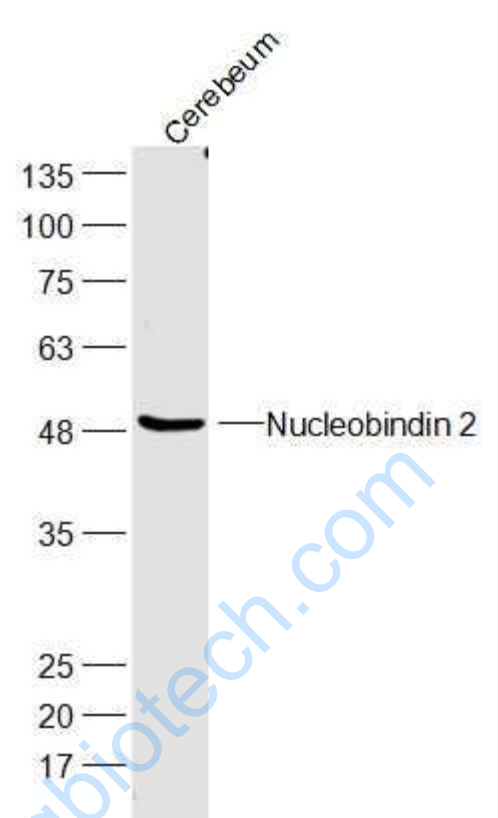
Unigene: 654599Human

Unigene: 9901Mouse

Unigene: 41602Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Sample: Testis (Mouse) Lysate at 40 ug Primary: Anti-Nucleobindin 2 (SL23044R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



Sample:

Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-Nucleobindin 2 (SL23044R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 50kD

Observed band size: 50 kD