10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NUCB2 Rabbit pAb

Catalog # AP97789

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P80303
Other Accession	P80303
Predicted	Rat, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50223
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Nucleobindin 2
Epitope Specificity	251-350/420
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the nucleobindin family. Contains 2 EF-hand domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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].

Additional Information

Gene ID	4925
Other Names	HEL-S-109; NEFA; Calnuc; Nesfatin-1; p54; NUCB2_HUMAN; NUCB2; DNA-binding protein NEFA; Epididymis secretory protein Li 109; Gastric cancer antigen Zg4; Prepronesfatin; NUCB2_MOUSE; NUCB2_RAT; nucleobindin 2; novel DNA binding/EF-hand/leucine zipper protein; nesfatin
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	NUCB2 (HGNC:8044)
Synonyms	NEFA

Function	Calcium-binding protein which may have a role in calcium homeostasis (By similarity). Acts as a non-receptor guanine nucleotide exchange factor which binds to and activates guanine nucleotide-binding protein (G protein) alpha subunit GNAI3 (By similarity).
Cellular Location	Golgi apparatus. Membrane; Peripheral membrane protein. Cytoplasm Secreted. Endoplasmic reticulum. Nucleus envelope. Note=Golgi retention is mediated by its N-terminal region
Tissue Location	Predominantly expressed in spleen, testis and normal stomach.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.