

ARG59053 anti-NUCB2 / Nucleobindin 2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NUCB2 / Nucleobindin 2
Tested Reactivity	Rat
Predict Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	This antibody is predicted to not cross-react with NUCB1.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NUCB2 / Nucleobindin 2
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of 16 aa from Human NUCB2 / Nucleobindin 2.
Conjugation	Un-conjugated
Alternate Names	HEL-S-109; NEFA; Nucleobindin-2; Gastric cancer antigen Zg4; Prepronesfatin; DNA-binding protein NEFA

Application Instructions

Application table	Application	Dilution
	IHC-P	2 - 20 µg/ml
	WB	0.5 - 1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat brain	
Observed Size	54 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

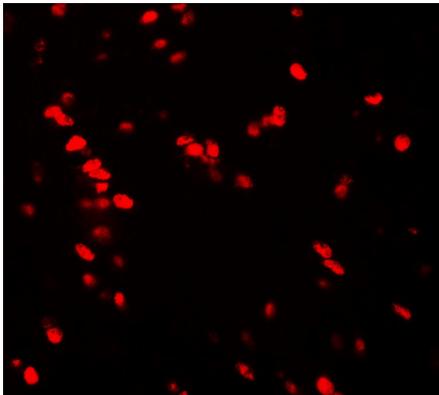
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

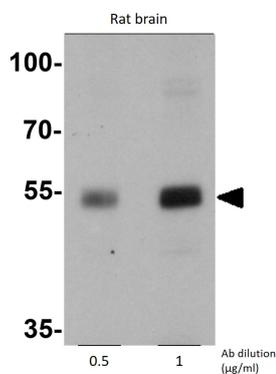
Gene Symbol	NUCB2
Gene Full Name	nucleobindin 2
Background	This gene encodes a protein with a suggested role in calcium level maintenance, eating regulation in the hypothalamus, and release of tumor necrosis factor from vascular endothelial cells. This protein binds calcium and has EF-folding domains. [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 (By similarity). [UniProt]
Calculated Mw	50 kDa
Cellular Localization	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. [UniProt]

Images



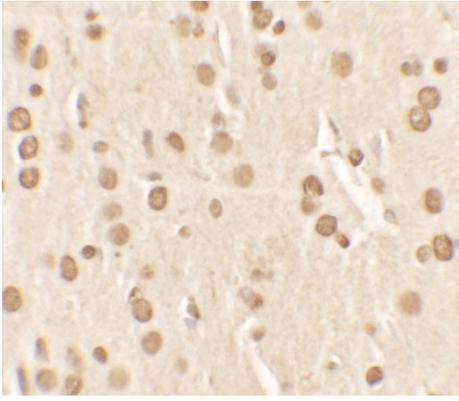
ARG59053 anti-NUCB2 / Nucleobindin 2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue stained with ARG59053 anti-NUCB2 / Nucleobindin 2 antibody at 20 µg/ml dilution.



ARG59053 anti-NUCB2 / Nucleobindin 2 antibody WB image

Western blot: Rat brain tissue lysate stained with ARG59053 anti-NUCB2 / Nucleobindin 2 antibody at 0.5 or 1 µg/ml dilution.



ARG59053 anti-NUCB2 / Nucleobindin 2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue stained with ARG59053 anti-NUCB2 / Nucleobindin 2 antibody at 2.5 µg/ml dilution.