

For Research Use Only

NUCB2/nesfatin-1 Recombinant antibody

Catalog Number: 83917-5-RR



Basic Information

Catalog Number: 83917-5-RR	GenBank Accession Number: NM_005013	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4925	CloneNo.: 241037C1
Source: Rabbit	UNIPROT ID: P80303	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: nucleobindin 2	
Immunogen Catalog Number: AG25152	Calculated MW: 50 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human	

Background Information

NucB2, an anorexigenic molecule, is expressed mainly in the hypothalamus, particularly in the supraoptic nucleus (SON) and the paraventricular nucleus (PVN). NucB2 is also expressed in the subfornical organ (SFO). Because the SON and PVN are involved in body fluid regulation, NucB2 may be involved in dehydration-induced anorexia. NUCB2 is composed of a signal peptide of 24 amino acids in the N-terminal region and a protein structure containing 396 amino acids. Nesfatin-1 is an 82-amino-acid peptide hormone cleaved from nucleobindin2 (NUCB2).

Storage

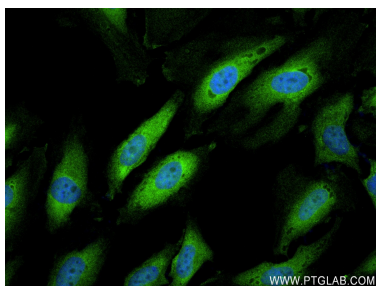
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

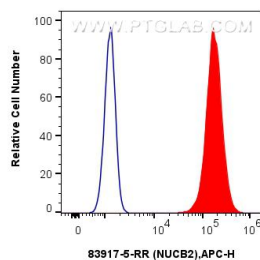
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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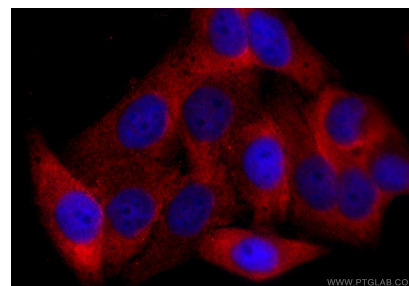
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NUCB2 antibody (83917-5-RR, Clone: 241037C1) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ A431 cells were intracellularly stained with 0.25 ug NUCB2 Recombinant antibody (83917-5-RR, Clone:241037C1) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using NUCB2/nesfatin-1 antibody (83917-5-RR, Clone: 241037C1) at dilution of 1:500 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).