

For Research Use Only

NUCB2/nesfatin-1 Recombinant antibody, PBS Only

Catalog Number: 83917-5-PBS



Basic Information

Catalog Number: 83917-5-PBS	GenBank Accession Number: NM_005013	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4925	CloneNo.: 241037C1
Source: Rabbit	UNIPROT ID: P80303	
Isotype: IgG	Full Name: nucleobindin 2	
Immunogen Catalog Number: AG25152	Calculated MW: 50 kDa	

Applications

Tested Applications:
IF/ICC, FC (Intra), Indirect ELISA

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

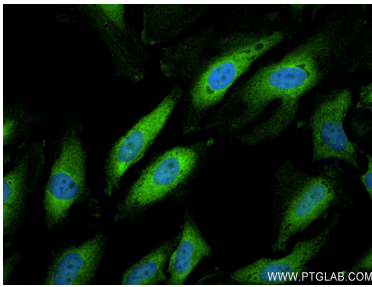
Storage:
Store at -80°C.

Storage Buffer:
PBS only

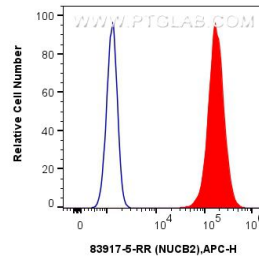
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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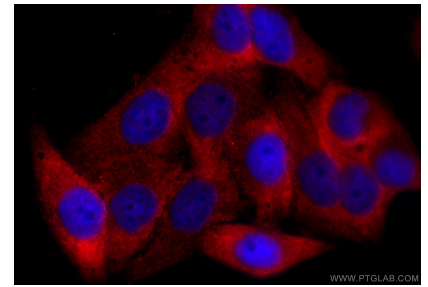
Selected Validation Data



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). This data was developed using the same antibody clone with 83917-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83917-5-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83917-5-PBS in a different storage buffer formulation.