

For Research Use Only



# CoraLite® Plus 488-conjugated NUCB2/nesfatin-1 Polyclonal antibody

Catalog Number: **CL488-26712**

## Basic Information

Catalog Number: CL488-26712	GenBank Accession Number: NM_005013	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 4925	Recommended Dilutions: IF/ICC 1:50-1:500
Source: Rabbit	Full Name: nucleobindin 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 50 kDa	
Immunogen Catalog Number: AG25152	Observed MW: 45-50 kDa	

## Applications

**Tested Applications:**  
IF/ICC, FC (Intra)

**Species Specificity:**  
human, mouse, rat

**Positive Controls:**  
IF/ICC : HepG2 cells,

## 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. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

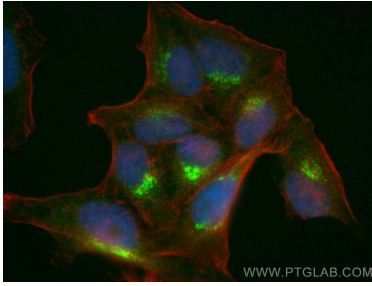
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

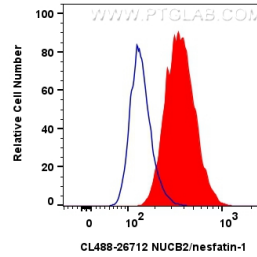
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoralLite® Plus 488 NUCB2/nesfatin-1 antibody (CL488-26712) at dilution of 1:200, CL594-phalloidin (red).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug CoralLite® Plus 488-conjugated NUCB2/nesfatin-1 Polyclonal antibody (CL488-26712)(red), or 0.8 ug CoralLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).