

For Research Use Only

# NUCB2/nesfatin-1 Polyclonal antibody, PBS Only

Catalog Number:30604-1-PBS



## Basic Information

Catalog Number:

30604-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30704

GenBank Accession Number:

NM\_005013

GeneID (NCBI):

4925

UNIPROT ID:

P80303

Full Name:

nucleobindin 2

Calculated MW:

50 kDa

Observed MW:

46-50 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

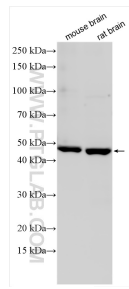
T: 4006900926

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

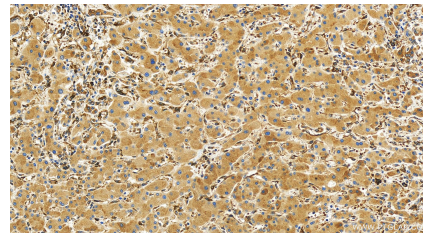
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

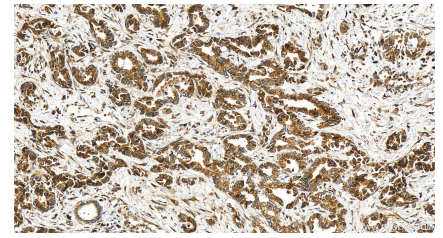
## Selected Validation Data



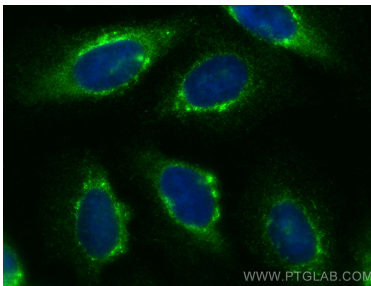
Various lysates were subjected to SDS PAGE followed by western blot with 30604-1-AP (NUCB2/nesfatin-1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30604-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 30604-1-AP (NUCB2/nesfatin-1 antibody) at dilution of 1:400 (under 20x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30604-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 30604-1-AP (NUCB2/nesfatin-1 antibody) at dilution of 1:400 (under 20x Lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30604-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using NUCB2/nesfatin-1 antibody (30604-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 30604-1-PBS in a different storage buffer formulation.