

For Research Use Only

NUCB2 Polyclonal antibody

Catalog Number: 30604-1-AP



Basic Information

Catalog Number: 30604-1-AP	GenBank Accession Number: NM_005013	Purification Method: Antigen affinity purification
Size: 800 ug/ml	GeneID (NCBI): 4925	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: P80303	IHC 1:200-1:800
Isotype: IgG	Full Name: nucleobindin 2	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG30704	Calculated MW: 50 kDa	
	Observed MW: 46-50 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*)** Alternatively, antigen retrieval may be performed with **citrate buffer pH 6.0**

Positive Controls:

WB : mouse brain tissue, human milk, SGC-7901 cells, rat brain tissue

IHC : human intrahepatic cholangiocarcinoma tissue,

IF/ICC : U2OS 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

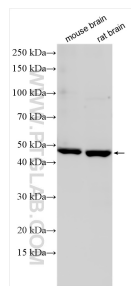
T: 4006900926

E: Proteintech-CN@ptglab.com

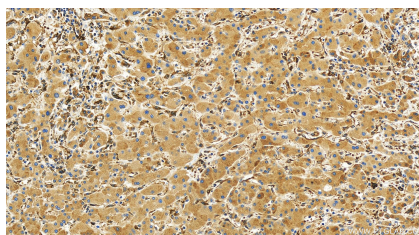
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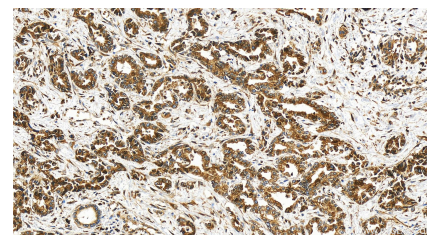
Selected Validation Data



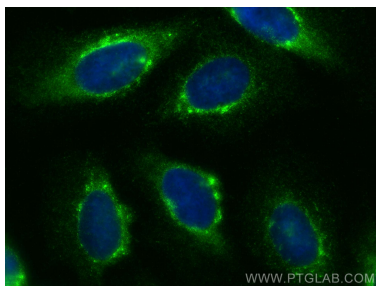
Various lysates were subjected to SDS PAGE followed by western blot with 30604-1-AP (NUCB2/nesfatin-1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).



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).



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).