

For Research Use Only

NHP2L1 Polyclonal antibody

Catalog Number: 15802-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number: 15802-1-AP	GenBank Accession Number: BC005358	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 4809	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:20-1:200 IF 1:10-1:100
Source: Rabbit	Full Name: NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae)	
Isotype: IgG	Calculated MW: 128 aa, 14 kDa	
Immunogen Catalog Number: AG8532	Observed MW: 14 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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: HeLa cells, MCF-7 cells, human brain tissue, mouse pancreas tissue, HepG2 cells, Jurkat cells, SH-SY5Y cells, mouse brain tissue, rat brain tissue

IHC: human cervical cancer tissue, mouse brain tissue

IF: HeLa cells,

Background Information

NHP2L1, belongs to the ribosomal protein L7Ae family, is a component of the spliceosome complex. It is recruited to introns following the attachment of U4 and U6 RNAs, and is required for subsequent recruitment of PRP31 and activation of the spliceosomal complex [PMID: 17412961]. It binds to the 5'-stem-loop of U4 snRNA and may have a role in the late stage of spliceosome assembly. The protein undergoes a conformational change upon RNA-binding [PMID: 10545122].

Notable Publications

Author	Pubmed ID	Journal	Application
Run-Wen Yao	31540874	Mol Cell	WB
Takaaki Yasuhara	35662392	Mol Cell	IF
Uchenna Emechebe	34119693	Biochim Biophys Acta Proteins Proteom	WB

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

*** 20ul sizes contain 0.1% BSA

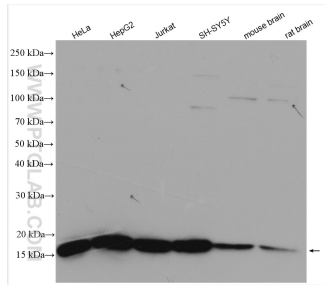
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

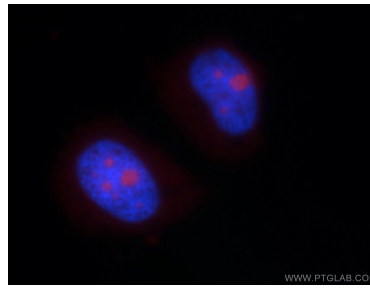
E: proteintech@ptglab.com
W: ptglab.com

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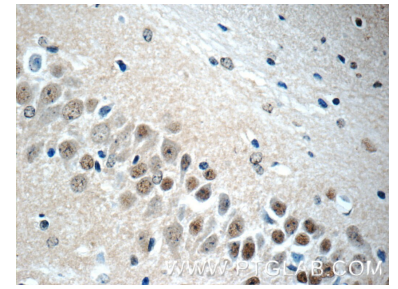
Selected Validation Data



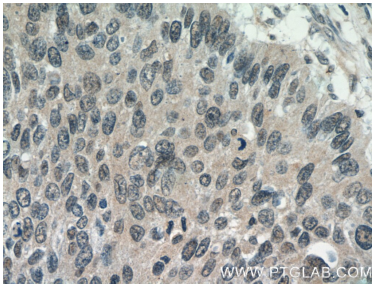
Various lysates were subjected to SDS PAGE followed by western blot with 15802-1-AP (NHP2L1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells using 15802-1-AP (NHP2L1 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15802-1-AP (NHP2L1 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 15802-1-AP (NHP2L1 Antibody) at dilution of 1:50 (under 40x lens).