

For Research Use Only

NUP98-NUP96 Polyclonal antibody

Catalog Number: 12329-1-AP

4 Publications



Basic Information

Catalog Number:

12329-1-AP

Concentration:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3016

GenBank Accession Number:

BC012906

GeneID (NCBI):

4928

UNIPROT ID:

P52948

Full Name:

nucleoporin 98kDa

Calculated MW:

98 kDa

Observed MW:

105 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human, mouse, pig

Positive Controls:

WB : COLO 320 cells, Jurkat cells, HeLa cells, K-562 cells, MCF-7 cells

IP : COLO 320 cells,

IHC : human breast cancer tissue,

IF/ICC : MCF-7 cells,

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

Background Information

Nup98-Nup96 (also known as Nup196, ADIR2 or ADAR2), encoded by NUP98 gene, is a component of the nuclear pore complex (NPC). It is first synthesized as 186-198 kDa Nup98-Nup96 precursors and the precursors shortly undergo autoproteolysis to give rise to two nucleoporins, the amino-terminal Nup98 (Nup98-N) and carboxy-terminal Nup96 (Nup96-C). Both of Nup98 and Nup96 are localized to the nucleoplasmic side of the NPC. This antibody was raised against the carboxy-terminal region of Nup98-Nup96, it recognizes all Nup98-Nup96 proteins except Nup98-N. Since the autoproteolysis is very rapid this antibody usually detected 98-115 kDa Nup96 protein in multiple cell lines. It is notable that RNA-editing deaminase 1 (Gene ID: 104), also named ADAR2, is a different protein from Nup98-Nup96 (ADAR2).

Notable Publications

Author	Pubmed ID	Journal	Application
Zhixiong Liu	30876848	Neuron	WB
Mingyang Li	39826728	Int J Biol Macromol	WB
Vincent Louvel	38036510	Nat Commun	IF

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:

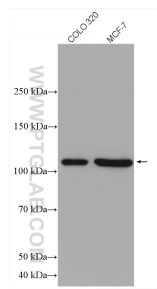
T: 4006900926

E: Proteintech-CN@ptglab.com

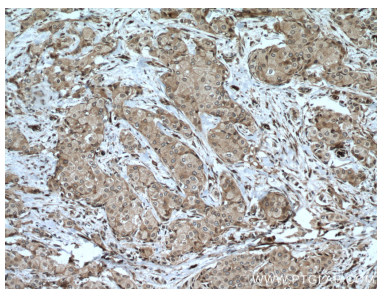
W: ptgcn.com

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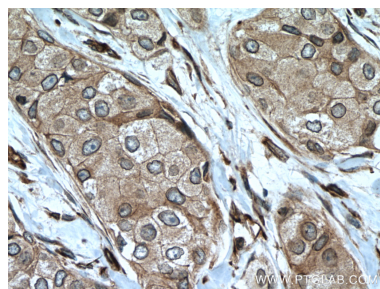
Selected Validation Data



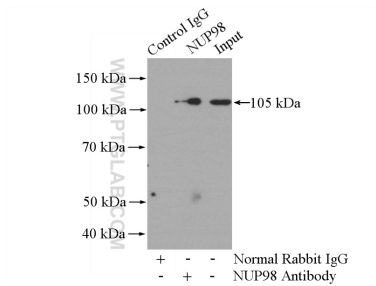
Various lysates were subjected to SDS PAGE followed by western blot with 12329-1-AP (NUP98-NUP96 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



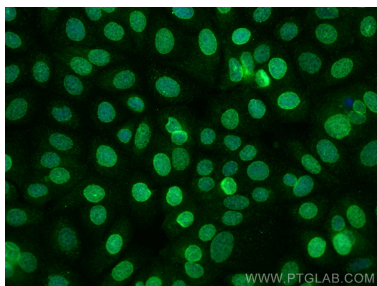
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12329-1-AP (NUP98-NUP96 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12329-1-AP (NUP98-NUP96 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-NUP98-NUP96 (IP:12329-1-AP, 4ug; Detection:12329-1-AP 1:1000) with COLO 320 cells lysate 2000ug.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using NUP98-NUP96 antibody (12329-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).