

For Research Use Only

NUP98-NUP96 Polyclonal antibody

Catalog Number: 12329-1-AP **3 Publications**



Basic Information

Catalog Number: 12329-1-AP	GenBank Accession Number: BC012906	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 4928	Recommended Dilutions: WB 1:500-1:4000
Source: Rabbit	UNIPROT ID: P52948	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: nucleoporin 98kDa	IHC 1:50-1:500
Immunogen Catalog Number: AG3016	Calculated MW: 98 kDa	IF 1:50-1:500
	Observed MW: 105 kDa	

Applications

Tested Applications: IF/ICC, IHC, IP, WB, ELISA	Positive Controls: WB : COLO 320 cells, Jurkat cells, HeLa cells, K-562 cells, MCF-7 cells
Cited Applications: WB, IF	IP : COLO 320 cells,
Species Specificity: human	IHC : human breast cancer tissue,
Cited Species: human, mouse	IF : 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
Vincent Louvel	38036510	Nat Commun	IF
Tatyana A Shelkovich	31875556	Cell Rep	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:

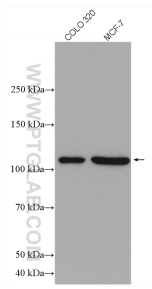
T: 4006900926

E: Proteintech-CN@ptglab.com

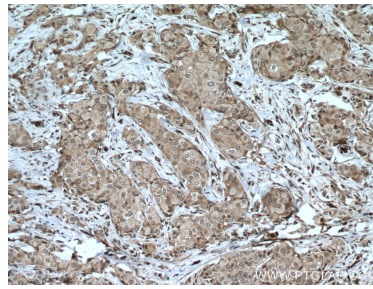
W: ptgcn.com

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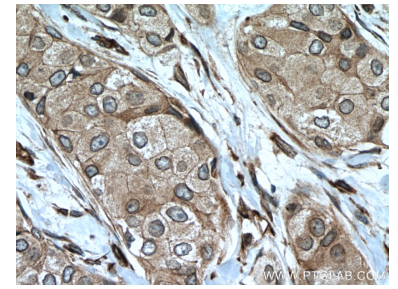
Selected Validation Data



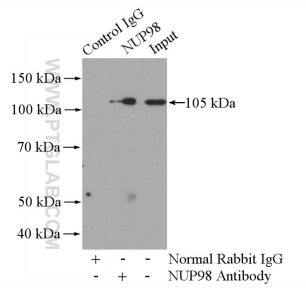
Various lysates were subjected to SDS PAGE followed by western blot with 12329-1-AP (NUP98-NUP96 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



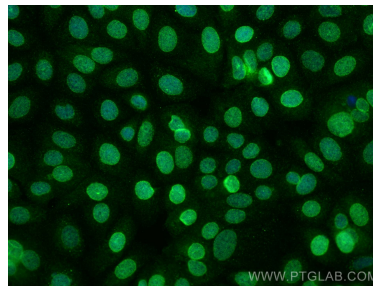
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12329-1-AP (NUP98-NUP96 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 AffiniPure Goat Anti-Rabbit IgG(H+L).