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NUP98-NUP96 Polyclonal Antibody

Catalog number: 12329-1-AP

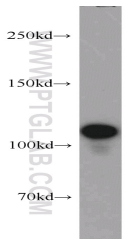
Size: 40 µg/150 µl

Source: Rabbit

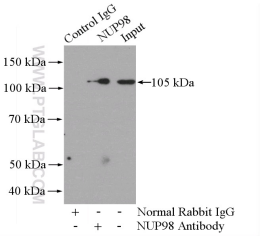
Isotype: IgG

Synonyms:

NUP98; 96 kDa nucleoporin, ADAR2, ADIR2, Nucleoporin Nup96, NUP196, NUP96, NUP98 NUP96, NUP98-NUP96



COLO 320 cells were subjected to SDS PAGE followed by western blot with 12329-1-AP(NUP98-NUP96 antibody) at dilution of 1:1000



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

Background

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).

Applications

Tested applications:	**ELISA, WB, IP**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Caculated NUP98-NUP96 MW:	**98 kDa**
Observed NUP98-NUP96 MW:	**98kd**
Positive WB detected in	**COLO 320 cells, HeLa cells, Jurkat cells, K-562 cells, MCF7 cells**
Positive IP detected in	**COLO 320 cells**
Recommended dilution:	**WB: 1:500-1:5000** **IP: 1:500-1:5000**

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag3016**
GenBank accession number:	**BC012906**
Gene ID (NCBI):	**4928**
Full name:	**Nucleoporin 98kDa**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**