

# NUP98 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52748

## Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IP                 |
| Primary Accession | <a href="#">P52948</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Isotype           | IgG1                   |
| Calculated MW     | 197579                 |

## Additional Information

|             |                                                                                                                                                                                                                                                                                      |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID     | 4928                                                                                                                                                                                                                                                                                 |
| Other Names | 96 kDa nucleoporin;98 kDa nucleoporin;ADAR2;ADIR2;GLFG-repeat containing nucleoporin; Nuclear pore complex protein Nup96;Nuclear pore complex protein Nup98 Nup96;Nucleoporin 98kD;nucleoporin 98kDa;Nucleoporin Nup96;Nucleoporin Nup98;NUP196;NUP96;Nup98;Nup98-Nup96;NUP98_HUMAN. |
| Dilution    | WB~~1:1000 IP~~1:500                                                                                                                                                                                                                                                                 |
| Format      | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.                                                                                                                                                                                                      |
| Storage     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                                                                                                                                                                             |

## Protein Information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | NUP98 ( <a href="#">HGNC:8068</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Synonyms          | ADAR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Function          | Plays a role in the nuclear pore complex (NPC) assembly and/or maintenance. NUP98 and NUP96 are involved in the bidirectional transport across the NPC (PubMed: <a href="#">33097660</a> ). May anchor NUP153 and TPR to the NPC. In cooperation with DHX9, plays a role in transcription and alternative splicing activation of a subset of genes (PubMed: <a href="#">28221134</a> ). Involved in the localization of DHX9 in discrete intranuclear foci (GLFG-body) (PubMed: <a href="#">28221134</a> ). |
| Cellular Location | Nucleus membrane; Peripheral membrane protein; Nucleoplasmic side Nucleus, nuclear pore complex. Nucleus, nucleoplasm Note=Localized to the                                                                                                                                                                                                                                                                                                                                                                 |

nucleoplasmic side of the nuclear pore complex (NPC), at or near the nucleoplasmic basket (PubMed:11839768) Dissociates from the disassembled NPC structure early during prophase of mitosis (PubMed:12802065). Colocalized with NUP153 and TPR to the nuclear basket of NPC (PubMed:11839768). Colocalized with DHX9 in diffuse and discrete intranuclear foci (GLFG-body) (PubMed:11839768, PubMed:28221134).

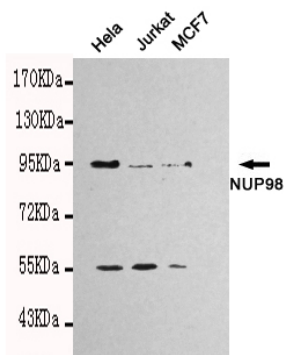
## Background

Plays a role in the nuclear pore complex (NPC) assembly and/or maintenance. Nup98 and Nup96 are involved in the bidirectional transport across the NPC. May anchor NUP153 and TPR to the NPC.

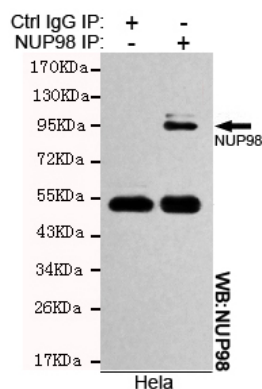
## References

Borrow J.,et al.Nat. Genet. 12:159-167(1996).  
 Arai Y.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.  
 Fontoura B.M.A.,et al.J. Cell Biol. 144:1097-1112(1999).  
 Borrow J.,et al.Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.  
 Taylor T.D.,et al.Nature 440:497-500(2006).

## Images



Western blot detection of NUP98 in HeLa, Jurkat and MCF7 cell lysates using NUP98 mouse mAb (1:1000 diluted). Predicted band size: 98kDa. Observed band size: 98kDa.



Immunoprecipitation analysis of HeLa cell lysates using NUP98 mouse mAb.

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