

**NUP98 (P671) Antibody**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

| Applications: | Reactivity: | Sensitivity: | MW (kDa): | Source/Isotype: | UniProt ID: | Entrez-Gene Id: |
|---------------|-------------|--------------|-----------|-----------------|-------------|-----------------|
| W, IP         | H M R Mk B  | Endogenous   | 98        | Rabbit          | #P52948     | 4928            |

**Product Usage Information****Application**

Western Blotting  
Immunoprecipitation

**Dilution**

1:1000  
1:25

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

**Specificity/Sensitivity**

NUP98 (P671) Antibody recognizes endogenous levels of NUP98 protein.

**Source / Purification**

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro671 of human NUP98. Antibodies are purified by protein A and peptide affinity chromatography.

**Background**

Nucleoporin 98 kDa (NUP98) is a component of the nuclear pore complex. It is expressed as three different precursors that undergo auto-cleavage to generate a common amino-terminal 98 kDa peptide (NUP98) and carboxy-terminal 6, 96 (NUP96) and 88 (p88) kDa peptides (1,2). NUP98 contains FG and GLFG repeat domains at its amino terminus and a RNA-binding domain in its carboxy terminus (3). The NUP98 gene is localized on chromosome 11p15.5, a region frequently rearranged in leukemias. To date, 15 fusion partners have been identified for NUP98 (4,5).

**Background References**

- Fontoura, B.M. et al. (1999) *J Cell Biol* 144, 1097-112.
- Rosenblum, J.S. and Blobel, G. (1999) *Proc Natl Acad Sci U S A* 96, 11370-5.
- Griffis, E.R. et al. (2004) *Mol Biol Cell* 15, 1991-2002.
- Slape, C. and Aplan, P.D. (2004) *Leuk Lymphoma* 45, 1341-50.
- Nakamura, T. (2005) *Int J Hematol* 82, 21-7.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer**

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key**

**W:** Western Blotting **IP:** Immunoprecipitation

**Cross-Reactivity Key**

**H:** Human **M:** Mouse **R:** Rat **Mk:** Monkey **B:** Bovine

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