

#2597 Store at -20°C

NUP98 (C37G10) Rabbit mAb


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

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| Product Usage Information | Application Western Blotting Immunoprecipitation | Dilution 1:1000 1:50 |
| Storage | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody. | |
| Specificity / Sensitivity | NUP98 (C37G10) Rabbit mAb detects endogenous levels of total NUP98 protein. | |
| Source / Purification | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu518 of human NUP98. | |
| 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 | 1. Fontoura, B.M. et al. (1999) <i>J Cell Biol</i> 144, 1097-112. 2. Rosenblum, J.S. and Blobel, G. (1999) <i>Proc Natl Acad Sci U S A</i> 96, 11370-5. 3. Griffis, E.R. et al. (2004) <i>Mol Biol Cell</i> 15, 1991-2002. 4. Slape, C. and Aplan, P.D. (2004) <i>Leuk Lymphoma</i> 45, 1341-50. 5. Nakamura, T. (2005) <i>Int J Hematol</i> 82, 21-7. | |

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| 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 | WB: Western Blotting IP: Immunoprecipitation |
| Cross-Reactivity Key | H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected |
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