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NUP98 (C39A3) Rabbit mAb (Alexa Fluor® 488 Conjugate)

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

Applications: IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #P52948	Entrez-Gene Id: 4928
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Product Usage Information	Application	Dilution
Storage	Immunofluorescence (Immunocytochemistry)	1:50
Specificity/Sensitivity	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the antibody. Protect from light. Do not freeze.	
Source / Purification	NUP98 (C39A3) Rabbit mAb (Alexa Fluor® 488 Conjugate) detects endogenous levels of total NUP98 protein.	
Description	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro671 of human NUP98.	
Background	This Cell Signaling Technology antibody is conjugated to Alexa Fluor® 488 fluorescent dye and tested in-house for direct immunofluorescence analysis in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated NUP98 (C39A3) Rabbit mAb # 2598.	
Background References	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).	
	<ol style="list-style-type: none"> Fontoura, B.M. et al. (1999) <i>J Cell Biol</i> 144, 1097-112. Rosenblum, J.S. and Blobel, G. (1999) <i>Proc Natl Acad Sci U S A</i> 96, 11370-5. Griffis, E.R. et al. (2004) <i>Mol Biol Cell</i> 15, 1991-2002. Slape, C. and Aplan, P.D. (2004) <i>Leuk Lymphoma</i> 45, 1341-50. Nakamura, T. (2005) <i>Int J Hematol</i> 82, 21-7. 	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	IF-IC: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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