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#2288

NUP98 (L205) Antibody

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

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

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
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 (L205) Antibody detects endogenous levels of NUP98 protein.	
Species predicted to react based on 100% sequence homology	Xenopus, Dog	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu205 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	<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).
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
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey B: Bovine
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