

NUP98 Polyclonal Antibody

Catalog NumberPA5-27763

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Non-human primate
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution *1:500-1:3,000
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Recombinant fragment corresponding to a region within amino acids 121 and 578 of Human NUP98		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1.39 mg/mL		
Purification	Protein A		
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: cos7, 293T, HepG2. Predicted reactivity: Mouse (96%), Rat (96%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

Signal-mediated nuclear import and export proceed through the nuclear pore complex (NPC), which is comprised of approximately 50 unique proteins collectively known as nucleoporins. The 98 kDa nucleoporin is generated through a biogenesis pathway that involves synthesis and proteolytic cleavage of a 186 kDa precursor protein. This cleavage results in the 98 kDa nucleoporin as well as a 96 kDa nucleoporin, both of which are localized to the nucleoplasmic side of the NPC. Rat studies show that the 98 kDa nucleoporin functions as one of several docking site nucleoporins of transport substrates. The human gene has been shown to fuse to several genes following chromosome translocations in acute myelogenous leukemia (AML) and T-cell acute lymphocytic leukemia (T-ALL). This gene is one of several genes located in the imprinted gene domain of 11p15. 5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. Alternative splicing of this gene results in several transcript variants; however, not all variants have been fully described.

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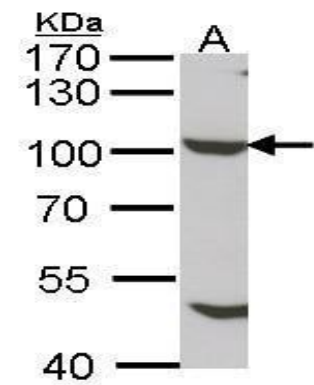
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Product Images For NUP98 Polyclonal Antibody

NUP98 Antibody (PA5-27763) in WB

Western Blot using NUP98 Polyclonal Antibody (Product # PA5-27763). Sample (30 µg of whole cell lysate). Lane A: cos 7 . 7.5% SDS PAGE. NUP98 antibody. NUP98 Polyclonal Antibody (Product # PA5-27763) diluted at 1:1,000.



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