antibodies - online.com







anti-NUP98 antibody





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Quantity:	100 μL
Target:	NUP98
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUP98 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human NUP98. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Monkey
Characteristics:	Rabbit polyclonal antibody to NUP98 (nucleoporin 98 kDa) NUP98 antibody [N1N2], N-term
Purification:	Affinity purified by Protein A.
Target Details	
Target:	NUP98
Alternative Name:	nucleoporin 98 (NUP98 Products)

Background:

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 kD nucleoporin is generated through a biogenesis pathway that involves synthesis and proteolytic cleavage of a 186 kD precursor protein. This cleavage results in the 98 kD nucleoporin as well as a 96 kD nucleoporin, both of which are localized to the nucleoplasmic side of the NPC. Rat studies show that the 98 kD nucleoporin functions as one of several docking site nucleoporins of transport substrates. The human gene has been shown to fuse to several genes following chromsome 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.

Cellular Localization: Nucleus , nuclear pore complex , Nucleus membrane, Peripheral membrane protein, Nucleoplasmic side

Molecular Weight: 198 kDa

Gene ID: 4928

UniProt: P52948

Pathways: Stem Cell Maintenance, Protein targeting to Nucleus, SARS-CoV-2 Protein Interactome

Application Details

Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.

Not tested in other applications.

Comment: Positive Control: cos 7

Restrictions: For Research Use only

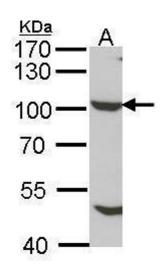
Handling

Format:	Liquid
Concentration:	1.39 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Handling

Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: cos 7 7.5% SDS PAGE NUP98 antibody antibody diluted at 1:1000