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Product datasheet for TA347013M

NUP98 Mouse Monoclonal Antibody [Clone ID: 3B8-D7-H10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3B8-D7-H10
Applications:	IP, WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for NUP98 antibody: purified recombinant human NUP98 protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide, 50% glycerol
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	98 kDa
Gene Name:	nucleoporin 98kDa
Database Link:	NP_057404 Entrez Gene 4928 Human P52948

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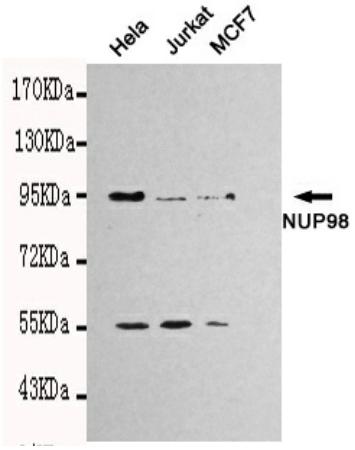
Background: Signal-mediated nuclear import and export proceed through the nuclear pore complex (NPC), which is comprised of approximately 50 unique proteins collectively known as nucleoporins. The 98 kDa nucleoporin is generated through a biogenesis pathway that involves synthesis and proteolytic cleavage 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.

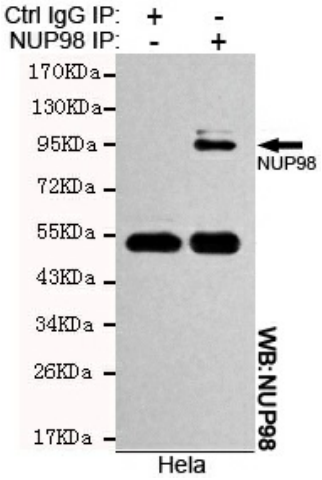
Synonyms: ADIR2; NUP96; NUP196

Protein Families: Druggable Genome

Product images:



Western blot detection of NUP98 in Hela, Jurkat and MCF7 cell lysates using NUP98 mouse mAb (1:1000 diluted).Predicted band size: 98kDa.Observed band size: 98kDa.



Immunoprecipitation analysis of Hela cell lysates using NUP98 mouse mAb.