

Mouse anti-Human NUP98 Monoclonal Antibody | anti-NUP98 antibody

NUP98 Antibody

CATALOG # AAA111310	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

NUP98; Monoclonal Antibody; NUP98 Antibody; ADIR2; NUP96; NUP196; anti-NUP98 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels of NUP98 and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%, glycerol
Sequence Length	937
Applicable Applications for anti-NUP98 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Purified recombinant human NUP98 protein fragments expressed in E Coli.
Cellular Localization	Nucleus nuclear pore complex; Nucleus membrane; Peripheral membrane protein; Nucleoplasmic side.

IMAGES



Application Data

Immunoprecipitation analysis of HeLa cell lysates using NUP98 antibody.



Application Data

Western blot detection of NUP98 in HeLa, Jurkat&MCF7 cell lysates using NUP98 antibody (1:1000 diluted). Predicted band size: 98kDa Observed band size: 98kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NUP98 antibody	UniPort Summary Function: Nup98 and Nup96 play a role in the bidirectional transport across the nucleoporin complex (NPC). The repeat domain in Nup98 has a direct role in the transport. Entrez Summary: 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.
Product Categories/Family for anti-NUP98 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	56549643
NCBI GeneID	4928
NCBI Accession #	NP_005378.4
NCBI GenBank Nucleotide #	NM_016320.3
UniProt Accession #	P52948; Q8IUT2; Q8WYB0; Q96E54; Q9H3Q4; Q9NT02; Q9UF57; Q9UHX0; Q9Y6J4; Q9Y6J5
Molecular Weight	98kDa
NCBI Official Full Name	nuclear pore complex protein Nup98 isoform 3 proprotein
NCBI Official Synonym Full Names	nucleoporin 98
NCBI Official Symbol	NUP98
NCBI Official Synonym Symbols	ADIR2; NUP96; NUP196
NCBI Protein Information	nuclear pore complex protein Nup98-Nup96; nuclear pore complex protein Nup98
UniProt Protein Name	Nuclear pore complex protein Nup98-Nup96
UniProt Gene Name	NUP98
UniProt Synonym Gene Names	ADAR2; Nup98; Nup96

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/nup98-antibody-immunoprecipitation-western-blot-elisa/111310>