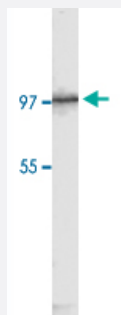


NUP98 monoclonal antibody, clone 2H10

Catalog # MAB6758

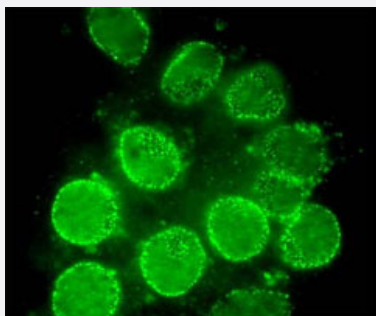
Size 100 ug

Applications



Western Blot (Cell lysate)

Detection of NUP98 protein with NUP98 monoclonal antibody, clone 2H10 (Cat # MAB6758). Sample is HeLa nuclear membrane fraction. The IgG solution was 2,000-fold diluted before use.



Immunofluorescence

Immunofluorescent staining of rat neuron with NUP98 monoclonal antibody, clone 2H10 (Cat # MAB6758). The dots are NUP98.

Specification

Product Description	Rat monoclonal antibody raised against partial recombinant NUP98.
Immunogen	Recombinant GST fusion protein corresponding to amino acids 1-466 of human NUP98.
Host	Rat
Reactivity	Human, Mouse, Rat
Form	Liquid
Isotype	IgG2c, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (50% glycerol, azide free).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

Detection of NUP98 protein with NUP98 monoclonal antibody, clone 2H10 (Cat # MAB6758). Sample is HeLa nuclear membrane fraction. The IgG solution was 2,000-fold diluted before use.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescent staining of rat neuron with NUP98 monoclonal antibody, clone 2H10 (Cat # MAB6758). The dots are NUP98.

- Enzyme-linked Immunoabsorbent Assay

- Dot Blot

Gene Info — NUP98

Entrez GeneID	4928
Protein Accession#	Q9HDC8
Gene Name	NUP98
Gene Alias	ADIR2, NUP196, NUP96
Gene Description	nucleoporin 98kDa
Omim ID	601021
Gene Ontology	Hyperlink

Gene 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 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 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. [provided by RefSeq]

Other Designations

GLFG-repeat containing nucleoporin|Nup98-Nup96|OTTHUMP00000013819|OTTHUMP00000013967|nucleoporin 98kD

Publication Reference

- [Differential functions of calpain 1 during epithelial cell death and adipocyte differentiation in mammary gland involution.](#)

Armandis T, Ferrer-Vicens I, Torres L, Garcia C, Garcia-Trevijano ER, Zaragoza R, Vina JR.
The Biochemical Journal 2014 Apr; 459(2):355.

Application: WB-Ti, Mouse, Mammary gland

- [NUP98 dysregulation in myeloid leukemogenesis.](#)

Moore MA, Chung KY, Plasilova M, Schuringa JJ, Shieh JH, Zhou P, Morrone G.
Annals of the New York Academy of Sciences 2007 Jun; 1106:114.

Application: IF, Human, Human leukemic cells

- [Specific monoclonal antibody against the nuclear pore complex protein, nup98.](#)

Fukuhara T, Ozaki T, Shikata K, Katahira J, Yoneda Y, Ogino K, Tachibana T.
Hybridoma (2005) 2005 Oct; 24(5):244.

Application: ELISA, WB, Human, HeLa cells

- [Nup98 is a mobile nucleoporin with transcription-dependent dynamics.](#)

Griffis ER, Altan N, Lippincott-Schwartz J, Powers MA.
Molecular Biology of the Cell 2002 Apr; 13(4):1282.

Application: EM, IF, WB-Tr, Human, XL177, HeLa cells

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)