

NUP98 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4369
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human NUP98 (AA: 1-218) expressed in E. Coli.
Mol wt	197.5kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	ADIR2;NUP96;NUP196;Nup98-96

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Nuclear pore complexes (NPCs) regulate the transport of macromolecules between the nucleus and cytoplasm, and are composed of many polypeptide subunits, many of which belong to the nucleoporin family. This gene belongs to the nucleoporin gene family and encodes a 186 kDa precursor protein that undergoes autoproteolytic cleavage to generate a 98 kDa nucleoporin and 96 kDa nucleoporin. The 98 kDa nucleoporin contains a Gly-Leu-Phe-Gly (GLGF) repeat domain and participates in many cellular processes, including nuclear import, nuclear export, mitotic progression, and regulation of gene expression. The 96 kDa nucleoporin is a scaffold component of the NPC. Proteolytic cleavage is important for targeting of the proteins to the NPC. Translocations between this gene and many other partner genes have been observed in different leukemias. Rearrangements typically result in chimeras with the N-terminal GLGF domain of this gene to the C-terminus of the partner gene. Alternative splicing results in multiple transcript variants encoding different isoforms, at least two of which are proteolytically processed. Some variants lack the region that encodes the 96 kDa nucleoporin.

Recommended Dilution

WB: 1:500 - 1:2000

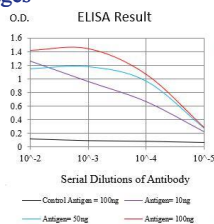
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

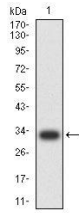
ELISA: 1:10000

Not yet tested in other applications.

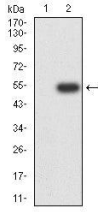
Images



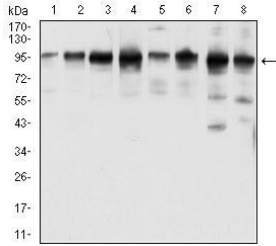
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



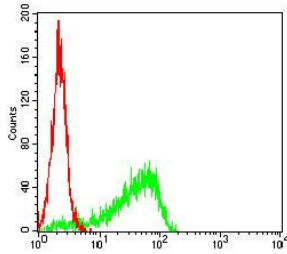
Western blot analysis using NUP98 mAb against human NUP98 (AA: 1-218) recombinant protein.
(Expected MW is 31.6 kDa)



Western blot analysis using NUP98 mAb against HEK293-6e (1) and NUP98 (AA: 1-218)-hIgGFc transfected HEK293-6e (2) cell lysate.



Western blot analysis using NUP98 mouse mAb against A549 (1), L-02 (2), HeLa (3), Jurkat (4), HL-60 (5), COS7 (6), HT-29 (7), and A431 (8) cell lysate.



Flow cytometric analysis of HeLa cells using NUP98 mouse mAb (green) and negative control (red).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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