

NUP98 antibody [21A10]

Cat No. GTX00695

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	WB, ICC/IF
Reactivity	Human, Mouse, Saccharomyces cerevisiae, Schizosaccharomyces pombe, Tetrahymena

Reference (1)

Package

100 µg

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Dilution
WB	Assay dependent
ICC/IF	Assay dependent

Not tested in other applications.

Calculated MW 198 kDa. ([Note](#))

Specificity/Sensitivity For WB application, it works on *S. cerevisiae* and *S. pombe* but may not be suitable for human, *T. tetrahymena* and yeasts. Recommend GTX00693 NUP98 antibody [13C2] on human, *T. tetrahymena* and yeasts samples.

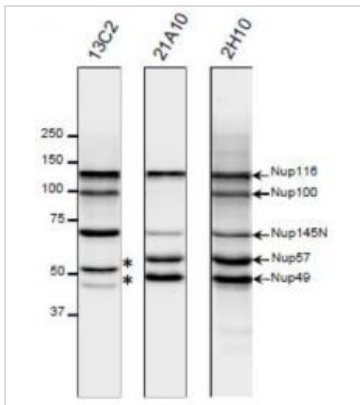
PROPERTIES

Form	Liquid
Buffer	Filter-sterilized PBS, 50% glycerol
Storage	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.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic peptides containing conserved N-terminal sequence, GLFG, of Nup98 protein of <i>Tetrahymena thermophila</i> . Peptide 1; 1-MFGNTGGGGLFGNTQTQQTGGGLFGQPQQ-29 Peptide 2; 646-SNPTQGGGLFGAANPGLGG-664 Epitope determined: GLF
Purification	Purified IgG
Conjugation	Unconjugated
Note	For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.



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DATA IMAGES



GTX00695 WB Image

WB analysis of *S. cerevisiae* cell extracts using GTX00693 NUP98 antibody [13C2], GTX00695 NUP98 antibody [21A10], or GTX00697 NUP98 antibody [2H10].

Dilution :

13C2 or 21A10 : 1:10

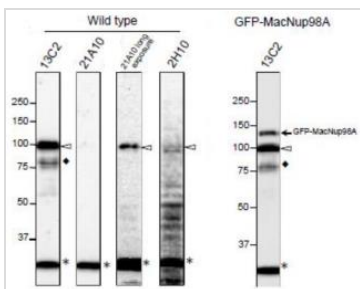
2H10 : 20 µg/ml

SUMMARY OF THE SUITABILITY OF MAbs FOR IMMUNOLOGICAL APPLICATIONS

mAb	Isotype	<i>T. thermophila</i>		HeLa cell		<i>S. cerevisiae</i>		<i>S. pombe</i>		epitope
		IF	WB	IF	WB	IF	WB	IF	WB	
13C2	Mouse IgG1	+++	+++	+	+++	+++	+++	+++	+++	FGlnN
21A10	Mouse IgG1	+++	+	+++	-	+++	+++	+++	++	GLF
2H10	Rat IgG2c	-	+/-	+++	+	+++	+++	+++	++	Unidentified

GTX00695 Image

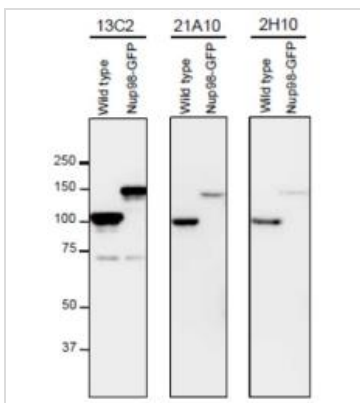
Summary of the suitability of GTX00693 NUP98 antibody [13C2], GTX00695 NUP98 antibody [21A10], or GTX00697 NUP98 antibody [2H10] for immunological applications.



GTX00695 WB Image

WB analysis of *Tetrahymena thermophila* cells or *Tetrahymena thermophila* cells overexpressing GFP-MacNup98A using GTX00693 NUP98 antibody [13C2], GTX00695 NUP98 antibody [21A10], or GTX00697 NUP98 antibody [2H10].

Diamonds and asterisks represent uncharacterized proteins.



GTX00695 WB Image

WB analysis of *S. pombe* cell I extracts using GTX00693 NUP98 antibody [13C2], GTX00695 NUP98 antibody [21A10], or GTX00697 NUP98 antibody [2H10]. Left and right lanes represent specimens from a wild type strain and an *S. pombe* strain in which Nup98 was chromosomally replaced with Nup98-GFP, respectively.

Dilution :

13C2 or 21A10 : 1:10

2H10 : 1 µg/ml



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