

# Product Datasheet

## pan Nuclear Pore Complex Marker Antibody (39C7) NBP1-05390

Unit Size: 0.5 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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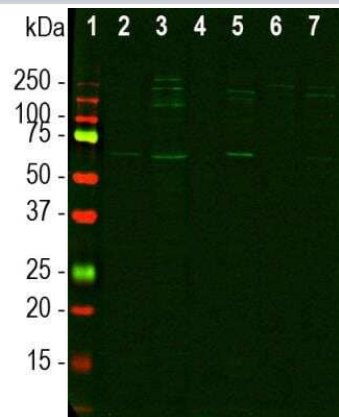


**NBP1-05390****pan Nuclear Pore Complex Marker Antibody (39C7)**

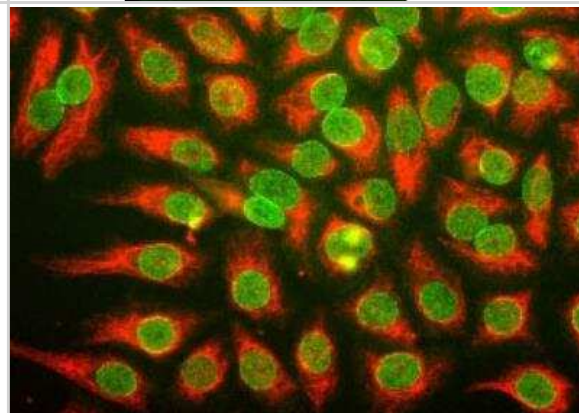
<b>Product Information</b>	
<b>Unit Size</b>	0.5 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	39C7
<b>Preservative</b>	0.035% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Tissue culture supernatant
<b>Buffer</b>	Supplied as concentrated hybridoma cell culture media.
<b>Target Molecular Weight</b>	62 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, C. elegans, Chicken, Drosophila, Equine, Yeast
<b>Specificity/Sensitivity</b>	Panspecific
<b>Immunogen</b>	Yeast nuclear preparations
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:100, Immunocytochemistry/ Immunofluorescence 1:50-1:500
<b>Application Notes</b>	This pan Nuclear Pore Complex Marker (39C7) antibody is useful for Western Blot and Immunocytochemistry/Immunofluorescence. For ICC/IF the recommended dilutions are 1:100 to 1:500 (yeast cells) and 1:50 to 1:100 (mammalian cells).

## Images

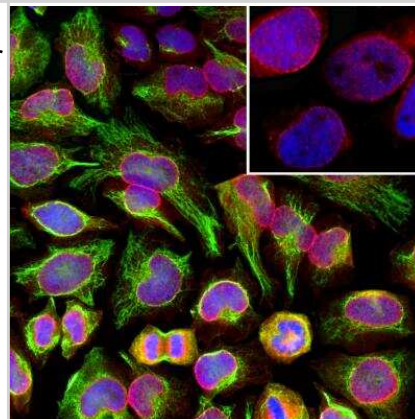
Western Blot: pan Nuclear Pore Complex Marker Antibody (39C7) [NBP1-05390] - Analysis of different cell lysates, cytosol or nuclear enriched fractions using pan-specific mouse mAb to the nuclear pore complex (NPC), NBP1-05390, dilution 1:100 in green: [1] protein standard (red), [2] HEK293 cytosol, [3] HEK293 nuclear, [4] NIH-3T3 cytosol, [5] NIH-3T3 nuclear, [6] HeLa cytosol, and [7] HeLa nuclear fraction lysate. The band at about 68kDa represents a currently unidentified NPC protein which is detected predominantly in the nuclear enriched fractions of all cell lines.



Immunocytochemistry/Immunofluorescence: pan Nuclear Pore Complex Marker Antibody (39C7) [NBP1-05390] - HeLa cells were stained with monoclonal antibody NBP1-05390, which binds to a nuclear pore complex antigen, and chicken antibody to vimentin NBP1-05425.



pan Nuclear Pore Complex Marker Antibody (39C7) [NBP1-05390] - Analysis of HeLa cells stained with panspecificmouse mAb to the nuclear pore complex (NPC), NBP1-05390, dilution 1:100 in red, and costained with chicken pAb to vimentin, dilution 1:10,000, in green. The blue is DAPI staining of nuclear DNA. The NBP1-05390 antibody reveals strong granular staining of the nuclei corresponding to the NPC, while the vimentin antibody specifically labels intermediate filaments in these cells.



## Publications

Stokum JA, Shim B, Huang W et al. A large portion of the astrocyte proteome is dedicated to perivascular endfeet, including critical components of the electron transport chain Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism 2021-04-04 [PMID: 33818185]



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### **Products Related to NBP1-05390**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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