

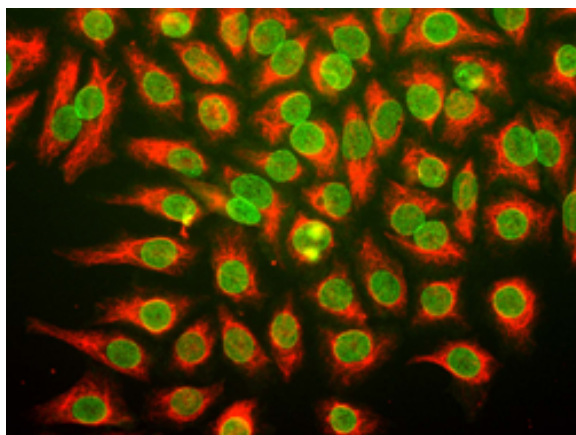
Product Datasheet

Anti-Nuclear Pore Complex

Overview

Catalog #	1515-NPC
Host Species	Mouse Monoclonal
Isotype	IgG ₁
Clone	39C7
Format	Concentrated tissue culture supernatant
Applications	ICC 1:50-1:100 (mammalian cells) 1:100-1:500 (yeast cells)
Species Tested	Bovine, Chicken, <i>Drosophila</i> , Human, Mouse, Rat
Immunogen	Yeast nuclear preparations
Cite this Antibody	PhosphoSolutions Cat# 1515-NPC, RRID: AB_2492188

Images



Immunostaining of HeLa cells stained with anti-nuclear pore complex antibody (catalog #1515-NPC, green, 1:100) and rabbit anti-vimentin antibody (catalog #2105-VIM, red, 1:500).

Details

Target Description	The nuclear pore complex (NPC) is a very large structure made up of at least 50 different proteins that span the double membrane of the nuclear envelope functioning as a gateway for macromolecular traffic between the cytoplasm and the nucleus (Nakielnny and Dreyfuss, 1999). Discrete nuclear pore complex proteins or nucleoporins such as NUP98, NUP180 and p62 have been implicated in autoimmune disease and cancer. Patients with primary biliary cirrhosis (PBC) frequently produce autoantibodies against p62 and NUP180 (Wilken <i>et al.</i> , 1993; Nesher <i>et al.</i> , 2001) while NUP98 translocations have been found in patients with acute myelogenous leukemia (AML) (Jaju <i>et al.</i> , 2001)
Specificity	Specific for endogenous levels of the nuclear pore complex proteins.
Production/Purification	Concentrated tissue culture supernatant.
Quality Control	Immunofluorescence performed on each lot.
Buffer	Concentrated tissue culture supernatant + 10 mM NaN ₃ .
Storage	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 µL/vial depending on usage) upon arrival and stored long term at -20° C or -80° C, while keeping a working aliquot stored at 4° C for short term. Avoid freeze/thaw cycles.
Stability	After date of receipt, stable for at least 1 year at -20°C.

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