

ARG52375 anti-Nuclear pore Complex antibody [39C7]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [39C7] recognizes Nuclear pore Complex
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	39C7
Isotype	IgG1
Target Name	Nuclear pore Complex
Immunogen	Yeast nuclear preparations.
Conjugation	Un-conjugated

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:500 (yeast cells); 1:50 - 1:100 (mammalian cells)
	WB	1:100

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Unpurified
Buffer	Tissue culture supernatant.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

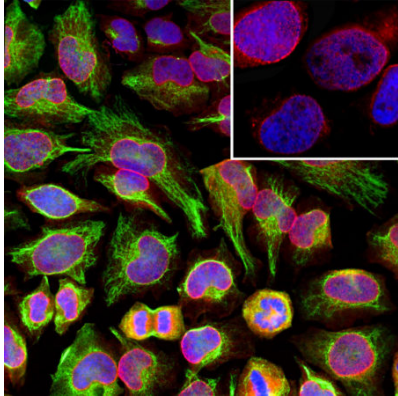
Gene Symbol	Nuclear stain of multiple gene products including Nup62, Nup133
Background	The nuclear pore complex (NPC) is a very large structure made up of at least 50 different proteins that span the double membrane of the nuclear envelope functioning as a gateway for macromolecular traffic between the cytoplasm and the nucleus (Nakielny 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 et al., 1993; Neshet et al., 2001) while NUP98 translocations have been found in patients with acute myelogenous leukemia (AML) (Jaju et al. 2001).

Research Area

Controls and Markers antibody; Gene Regulation antibody

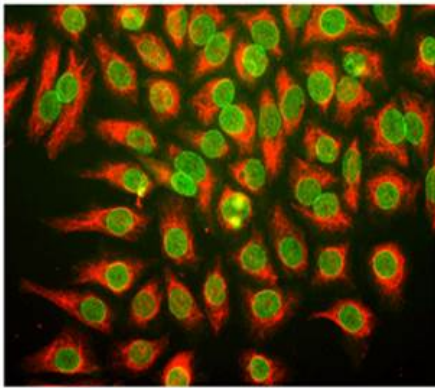
Images



ARG52375 anti-Nuclear pore Complex antibody [39C7] ICC/IF image

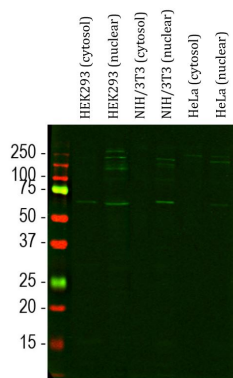
Immunofluorescence: HeLa cells stained with ARG52375 anti-Nuclear pore Complex antibody [39C7] (red) at 1:100 dilution and costained with [ARG52468](#) anti-Vimentin antibody (green) at 1:10000 dilution. DAPI (blue) for nuclear staining.

Clone 39C7 reveals strong granular staining of the nuclei corresponding to the nuclear pore complex, while the vimentin antibody specifically labels intermediate filaments in these cells.



ARG52375 anti-Nuclear pore Complex antibody [39C7] ICC/IF image

Immunofluorescence: HeLa cells stained with ARG52375 anti-Nuclear pore Complex antibody [39C7] (green), and ARG52468 chicken anti-vimentin (red).



ARG52375 anti-Nuclear pore Complex antibody [39C7] WB image

Western blot: HEK293 (cytosol), HEK293 (nuclear), NIH/3T3 (cytosol), NIH/3T3 (nuclear), HeLa (cytosol) and HeLa (nuclear) lysates stained with ARG52375 anti-Nuclear pore Complex antibody [39C7] (green) at 1:100 dilution.