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Anti-Nucleoporin p62 (N-terminal region) Antibody

Catalog # AN1872

Product Information

Application	WB, ICC
Primary Accession	P37198
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG2b
Clone Names	M436
Calculated MW	53255

Additional Information

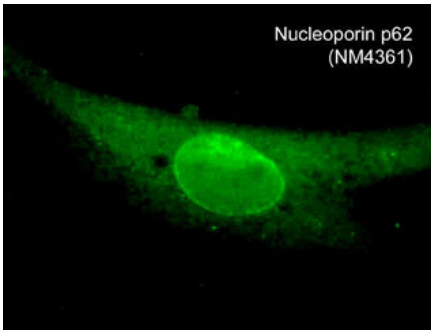
Gene ID	23636
Other Names	NUP62
Dilution	WB~~1:1000 ICC~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Nucleoporin p62 (N-terminal region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

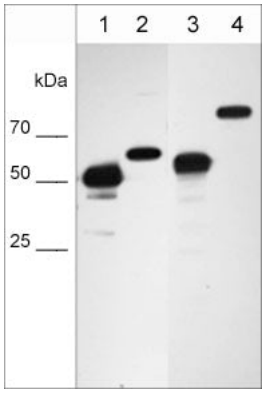
Background

Active transport of proteins and RNA into and out of the nucleus occurs via the nuclear pore complex (NPC). The NPC is formed by a multiprotein complex that includes nucleoporin proteins. Specific nuclear localization sequences found in proteins target proteins for active transport into the nucleus through the NPC. Nucleoporin p62 is the best characterized member of the family of nucleoporins found in the NPC. A tightly associated complex is formed by p62 and two other nucleoporins, p54 and p58. p54 binds to a carboxy-terminal coiled-coil domain of p62 and p58 binds to a dimer of p54. The amino-terminal domain of p62 contains a series of XFXFX repeats and is joined to the coiled-coil domain by a threonine-rich linker segment. The major role of p62 is maintenance of the structural integrity of NPCs.

Images

Immunocytochemical labeling of Nucleoporin p62 in paraformaldehyde-fixed and NP40-permeabilized A7r5 cells. The fixed cells were labeled with mouse monoclonal anti-Nucleoporin p62 (N-terminal region) and the antibody was detected using Goat anti-Mouse secondary antibodies conjugated to DyLight® 488.





Western blot image of cell structure markers in NCI-H1915 lung carcinoma cells. The blot was probed with anti-Vimentin intermediate filament protein VM4341 (lane 1), anti-Nucleoporin p62 AN1872 (lane 2), anti-Hsp60 mitochondrial protein HM4381 (lane 3), and anti-Calnexin endoplasmic reticulum protein CM4371 (lane 4).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.