

Mouse Nucleoporin p62 Monoclonal Antibody | anti-NUP62 antibody

Nucleoporin p62 (N-terminal region) Antibody

CATALOG # AAA71674	HOST Mouse	REACTIVITY Human, Rat, Mouse, Chicken	APPLICATIONS Immunocytochemistry, ELISA, Western Blot
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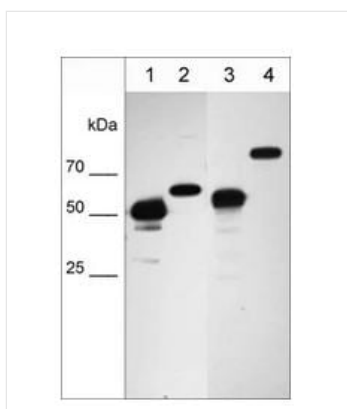
PRODUCT SYNONYMS

Nucleoporin p62; Monoclonal Antibody; Nucleoporin p62 (N-terminal region) Antibody; Nucleoporin p62 (N-terminal region); Nucleoporin; anti-NUP62 antibody

PRODUCT SPECIFICATIONS

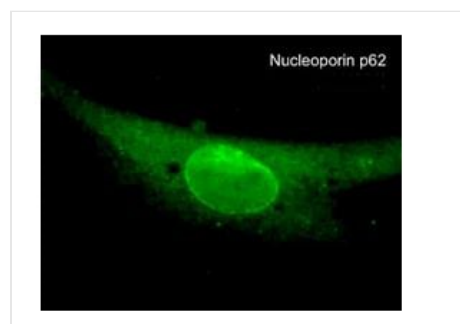
Host	Mouse
Reactivity	Human, Rat, Mouse, Chicken
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	M436
Specificity	This antibody detects a 62kDa* protein corresponding to the apparent molecular mass of nucleoporin p62 on SDS-PAGE immunoblots of human HeLa and rat A7r5 cells. In immunocytochemistry, anti-Nucleoporin p62 specifically stains nuclei and nuclear envelope in paraformaldehyde fixed and NP-40 permeabilized cells.
Form/Format	Mouse monoclonal purified with protein A chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-NUP62 antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Clone M436 was generated from a recombinant protein containing amino acid residues in the N-terminal region of human nucleoporin p62. This sequence has high homology to similar regions in rat, mouse, and chicken nucleoporin p62.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



WB (Western Blot)

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 p62nM4361 (lane 2), anti-Hsp60 mitochondrial protein HM4381 (lane 3), and anti-Calnexin endoplasmic reticulum protein CM4371 (lane 4).



ICC (Immunocytochemistry)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-NUP62 antibody	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.
References	Newmeyer, D.D. (1993) Curr Opin Cell Biol. 5(3):395. Carmo-Fonseca M. et al. (1991) Eur J Cell Biol. 55(1):17-30.

NCBI AND UNIPROT INFORMATION

NCBI GI #	134047855
NCBI GeneID	23636
UniProt Accession #	P37198; Q503A4; Q6GTM2; Q96C43; Q9NSL1; B3KWU5
Molecular Weight	522
NCBI Official Full Name	Nuclear pore glycoprotein p62
NCBI Official Synonym Full Names	nucleoporin 62kDa
NCBI Official Symbol	NUP62
NCBI Official Synonym Symbols	p62; IBSN; SNDI
NCBI Protein Information	nuclear pore glycoprotein p62; nucleoporin 62kD; nucleoporin Nup62; 62 kDa nucleoporin
UniProt Protein Name	Nuclear pore glycoprotein p62
UniProt Gene Name	NUP62
UniProt Entry Name	NUP62_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.