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Product datasheet for TA389173

NUP62 Mouse Antibody [Clone ID: M436]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M436
Applications:	ICC, WB
Recommended Dilution:	**WB**: 1:500 **ICC**: 1:50
Reactivity:	Human, Rat, Mouse, Chicken
Host:	Mouse
Isotype:	IgG2b
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.
Specificity:	This antibody detects a 62 kDa* 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.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Concentration:	lot specific
Purification:	Protein A Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	62
Database Link:	P37198

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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.

Note: Protein G purified tissue culture supernatant.