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NUP62 Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2390a

Specification

NUP62 Antibody (C-Term) - Product Information

Application	**E**
Primary Accession	P37198
Other Accession	NP_036478.2, NP_057637.2, NP_714940.1, NP_714941.1, 23636
Predicted	**Human, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**53255**

NUP62 Antibody (C-Term) - Additional Information

Gene ID 23636

Other Names
Nuclear pore glycoprotein p62, 62 kDa nucleoporin, Nucleoporin Nup62, NUP62

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

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
NUP62 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

NUP62 Antibody (C-Term) - Protein Information

Name NUP62

Function
Essential component of the nuclear pore complex (PubMed:1915414). The N-terminal is probably involved in nucleocytoplasmic transport (PubMed:1915414). The C-terminal is involved in protein-protein interaction probably via coiled-coil formation, promotes its association with centrosomes and may function in anchorage of p62 to the pore complex (PubMed:1915414,

PubMed:24107630). Plays a role in mitotic cell cycle progression by regulating centrosome segregation, centriole maturation and spindle orientation (PubMed:24107630). It might be involved in protein recruitment to the centrosome after nuclear breakdown (PubMed:24107630).

Cellular Location
Nucleus, nuclear pore complex. Cytoplasm, cytoskeleton, spindle pole. Nucleus envelope. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Central region of the nuclear pore, within the transporter (PubMed:1915414). During mitotic cell division, it associates with the poles of the mitotic spindle (PubMed:24107630)

NUP62 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NUP62 Antibody (C-Term) - Images

NUP62 Antibody (C-Term) - Background

All four variants represent identical protein.

NUP62 Antibody (C-Term) - References

Human nucleoporin p62 and the essential yeast nuclear pore protein NSP1 show sequence homology and a similar domain organization. Carmo-Fonseca M, Kern H, Hurt EC. Eur J Cell Biol. 1991 Jun;55(1):17-30. PMID: 1915414