

**NUP62 Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2390a****Specification**

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**NUP62 Antibody (C-Term) - Product Information**

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|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | E                                                                                                                                                |
| Primary Accession | <a href="#">P37198</a>                                                                                                                           |
| Other Accession   | <a href="#">NP_036478.2</a> , <a href="#">NP_057637.2</a> , <a href="#">NP_714940.1</a> ,<br><a href="#">NP_714941.1</a> , <a href="#">23636</a> |
| 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

**Dilution**

E~~N/A

**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:&lt;a href="http://www.uniprot.org/citations/1915414" target="\_blank"&gt;1915414&lt;/a&gt;). The N-terminal is probably involved in nucleocytoplasmic transport (PubMed:&lt;a href="http://www.uniprot.org/citations/1915414" target="\_blank"&gt;1915414&lt;/a&gt;). 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:<a href="http://www.uniprot.org/citations/1915414" target="\_blank">1915414</a>, PubMed:<a href="http://www.uniprot.org/citations/24107630" target="\_blank">24107630</a>). Plays a role in mitotic cell cycle progression by regulating centrosome segregation, centriole maturation and spindle orientation (PubMed:<a href="http://www.uniprot.org/citations/24107630" target="\_blank">24107630</a>). It might be involved in protein recruitment to the centrosome after nuclear breakdown (PubMed:<a href="http://www.uniprot.org/citations/24107630" target="\_blank">24107630</a>).

#### **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 Cytometry](#)
- [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