

# Npap60 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13396

## Product Information

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| <b>Application</b>       | WB                                                             |
| <b>Primary Accession</b> | <a href="#">O08587</a>                                         |
| <b>Other Accession</b>   | <a href="#">NM_012991</a> , <a href="#">NP_037123</a>          |
| <b>Reactivity</b>        | Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine |
| <b>Predicted</b>         | Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine |
| <b>Host</b>              | Rabbit                                                         |
| <b>Clonality</b>         | Polyclonal                                                     |
| <b>Calculated MW</b>     | 49818                                                          |

## Additional Information

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| <b>Gene ID</b>                      | 25497                                                                                                                                                                                           |
| <b>Alias Symbol</b>                 | Nup50, Rtp60                                                                                                                                                                                    |
| <b>Other Names</b>                  | Nuclear pore complex protein Nup50, 50 kDa nucleoporin, Nuclear pore-associated protein 60 kDa-like, Nucleoporin Nup50, Nup50, Npap60                                                           |
| <b>Format</b>                       | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                               |
| <b>Reconstitution &amp; Storage</b> | Add 50 ul of distilled water. Final anti-Npap60 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| <b>Precautions</b>                  | Npap60 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                           |

## Protein Information

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| <b>Name</b>              | Nup50                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>          | Npap60                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Function</b>          | Component of the nuclear pore complex that has a direct role in nuclear protein import. Actively displaces NLSs from importin-alpha, and facilitates disassembly of the importin-alpha:beta-cargo complex and importin recycling. Interacts with regulatory proteins of cell cycle progression including CDKN1B. This interaction is required for correct intracellular transport and degradation of CDKN1B. |
| <b>Cellular Location</b> | Nucleus, nuclear pore complex. Nucleus membrane; Peripheral membrane                                                                                                                                                                                                                                                                                                                                         |

protein; Nucleoplasmic side. Note=Dissociates from the NPC structure early during prophase of mitosis (By similarity). Associates with the newly formed nuclear membrane during telophase (By similarity) Localizes to the nucleoplasmic fibrils of the nuclear pore complex (PubMed:10891499). In the testis, the localization changes during germ cell differentiation from the nuclear surface in spermatocytes to the whole nucleus (interior) in spermatids and back to the nuclear surface in spermatozoa (PubMed:9073512). {ECO:0000250|UniProtKB:Q9UKX7, ECO:0000269|PubMed:10891499, ECO:0000269|PubMed:9073512}

#### Tissue Location

Highly expressed in testis, intermediate levels in kidney, liver, spleen and low basal levels in somatic cells. Expression in testis undergoes changes and subcellular localization during germ cell differentiation

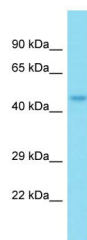
## References

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Fan F.,et al.Genomics 40:444-453(1997).  
Guan T.,et al.Mol. Cell. Biol. 20:5619-5630(2000).

## Images

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Host: Rabbit  
Target Name: Npap60  
Sample Tissue: Rat Brain lysates  
Antibody Dilution: 1.0µg/ml

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