

**Npap60 Antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI13396****Specification**

---

**Npap60 Antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">O08587</a>
Other Accession	<a href="#">NM_012991</a> , <a href="#">NP_037123</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51kDa kDa

**Npap60 Antibody - N-terminal region - Additional Information****Gene ID** 25497**Alias Symbol** **Nup50, Rtp60****Other Names**

Nuclear pore complex protein Nup50, 50 kDa nucleoporin, Nuclear pore-associated protein 60 kDa-like, Nucleoporin Nup50, Nup50, Npap60

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

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.

**Precautions**

Npap60 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Npap60 Antibody - N-terminal region - Protein Information****Name** Nup50**Synonyms** Npap60**Function**

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.

#### Cellular Location

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

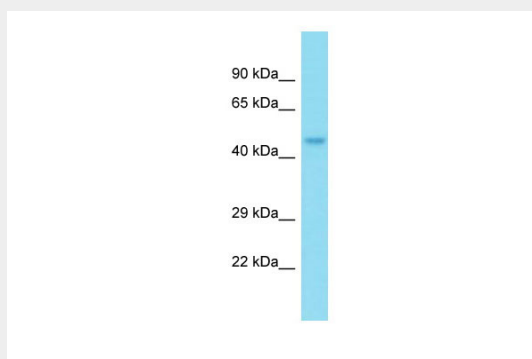
Highly expressed in testis, intermediate levels in kidney, liver, spleen and low basal levels in somatic cells. Expression in testis undergoes changes and subcellular localization during germ cell differentiation

### Npap60 Antibody - N-terminal region - 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](#)

### Npap60 Antibody - N-terminal region - Images



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

### Npap60 Antibody - N-terminal region - References

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