

**NUP50 Antibody (C-Terminus)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS14556****Specification**

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**NUP50 Antibody (C-Terminus) - Product Information**

Application	IHC
Primary Accession	<a href="#">O9UKX7</a>
Reactivity	Human, Mouse, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	50kDa KDa

**NUP50 Antibody (C-Terminus) - Additional Information****Gene ID** 10762**Other Names**

Nuclear pore complex protein Nup50, 50 kDa nucleoporin, Nuclear pore-associated protein 60 kDa-like, Nucleoporin Nup50, NUP50, NPAP60L

**Target/Specificity**

Human NUP50. This antibody is expected to recognise both reported isoforms (NP\_009103.2; NP\_705931.1).

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

NUP50 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**NUP50 Antibody (C-Terminus) - Protein Information****Name** NUP50**Synonyms** NPAP60L**Function**

Component of the nuclear pore complex that has a direct role in nuclear protein import (PubMed:<a href="http://www.uniprot.org/citations/20016008" target="\_blank">20016008</a>). Actively displaces NLSs from importin-alpha, and facilitates disassembly of the importin-alpha:beta-cargo complex and importin recycling (PubMed:<a href="http://www.uniprot.org/citations/20016008" target="\_blank">20016008</a>). Interacts with regulatory proteins of cell cycle progression including CDKN1B (By similarity). This interaction is required for correct intracellular transport and degradation of CDKN1B (By similarity).

**Cellular Location**

Nucleus, nuclear pore complex. Nucleus membrane {ECO:0000250|UniProtKB:O08587}; Peripheral membrane protein {ECO:0000250|UniProtKB:O08587}; Nucleoplasmic side {ECO:0000250|UniProtKB:O08587}. Note=Localizes to the nucleoplasmic fibrils of the nuclear pore complex (By similarity). Dissociates from the NPC structure early during prophase of mitosis (PubMed:12802065) Associates with the newly formed nuclear membrane during telophase (PubMed:12802065). 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 (By similarity). {ECO:0000250|UniProtKB:O08587, ECO:0000269|PubMed:12802065}

#### **Tissue Location**

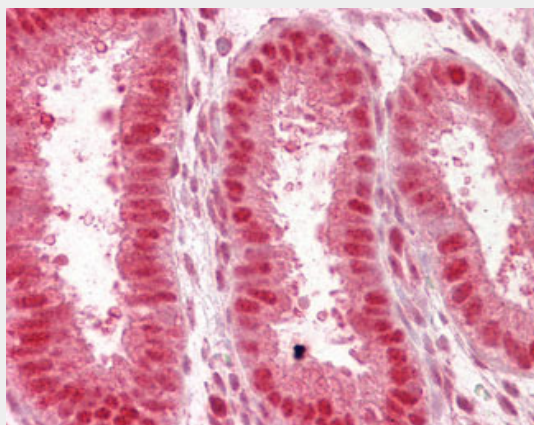
Ubiquitous. Highest levels in testis, peripheral blood leukocytes and fetal liver

#### **NUP50 Antibody (C-Terminus) - 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](#)

#### **NUP50 Antibody (C-Terminus) - Images**



Anti-NUP50 antibody IHC of human uterus.

#### **NUP50 Antibody (C-Terminus) - Background**

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 multiple transport receptor proteins including CDKN1B. This interaction is required for correct intracellular transport and degradation of CDKN1B.

#### **NUP50 Antibody (C-Terminus) - References**

Trichet V., et al. Cytogenet. Cell Genet. 85:221-226(1999).  
Zhang C., et al. Submitted (DEC-1998) to the EMBL/GenBank/DBJ databases.

Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Dunham I.,et al.Nature 402:489-495(1999).