10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

NUP50 Antibody (C-Terminus) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	Q9UKX7
Reactivity	**Human, Mouse, Bovine**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**50kDa KDa**
Dilution	**WB~~1:1000** **IHC-P~~N/A** **E~~N/A**

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:20016008). Actively displaces NLSs from importin-alpha, and facilitates disassembly of the importin-alpha:beta-cargo complex and importin recycling (PubMed:20016008). 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}

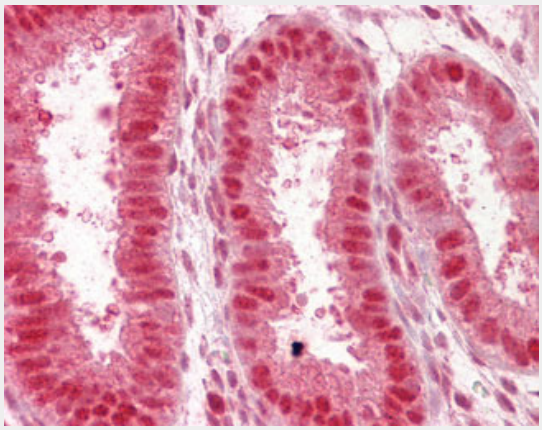
Tissue Location
Ubiquitous. Highest levels in testis, peripheral blood leukocytes and fetal liver

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 Cytomety
- 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/DDBJ databases.
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Ota T.,et al.Nat. Genet. 36:40-45(2004).
Dunham I.,et al.Nature 402:489-495(1999).