

#### NUP50 Rabbit mAb

**Catalog # AP76630** 

## **Specification**

#### NUP50 Rabbit mAb - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, IF
O9UKX7
Human, Rat
Rabbit

Monoclonal Antibody

50144

### NUP50 Rabbit mAb - Additional Information

Gene ID 10762

Other Names NUP50

**Dilution**WB~~1/500-1/1000
IF~~1/50-1/200

Format Liquid

## **NUP50 Rabbit mAb - Protein Information**

Name NUP50

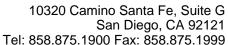
Synonyms NPAP60L

## **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 importinalpha: 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:008587}; Peripheral membrane protein {ECO:0000250|UniProtKB:008587}; Nucleoplasmic side {ECO:0000250|UniProtKB:008587}. 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





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 Rabbit mAb - Protocols**

Provided below are standard protocols that you may find useful for product applications.

the nuclear surface in spermatocytes to the whole nucleus (interior) in spermatids and back to the

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# NUP50 Rabbit mAb - Images

