

**Anti-NUP50 Rabbit Monoclonal Antibody**  
**Catalog # ABO16384****Specification**

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**Anti-NUP50 Rabbit Monoclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, IF, ICC       |
| Primary Accession | <a href="#">Q9UKX7</a> |
| Host              | Rabbit                 |
| Isotype           | IgG                    |
| Reactivity        | Rat, Human, Mouse      |
| Clonality         | Monoclonal             |
| Format            | Liquid                 |

**Description**

Anti-NUP50 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

**Anti-NUP50 Rabbit Monoclonal Antibody - 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

**Calculated MW**

55 kDa KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human NUP50

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-NUP50 Rabbit Monoclonal Antibody - 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}

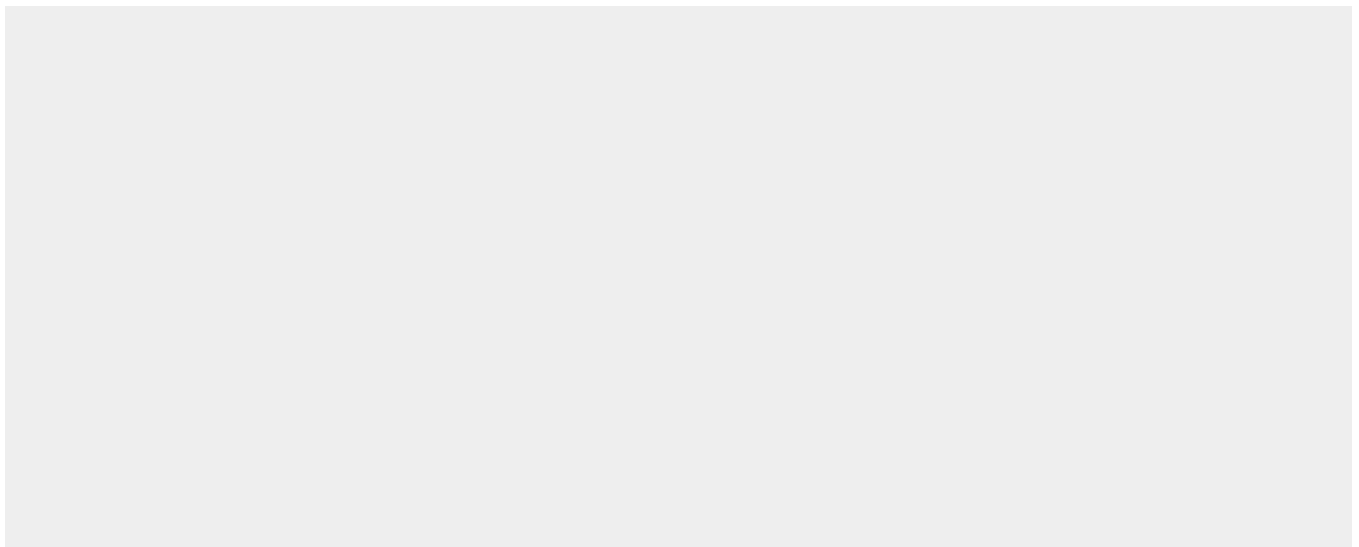
**Tissue Location**

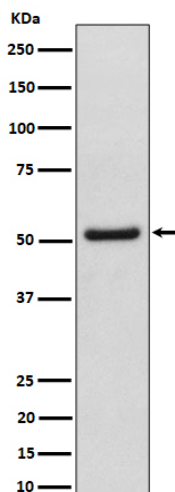
Ubiquitous. Highest levels in testis, peripheral blood leukocytes and fetal liver

**Anti-NUP50 Rabbit Monoclonal Antibody - Protocols**

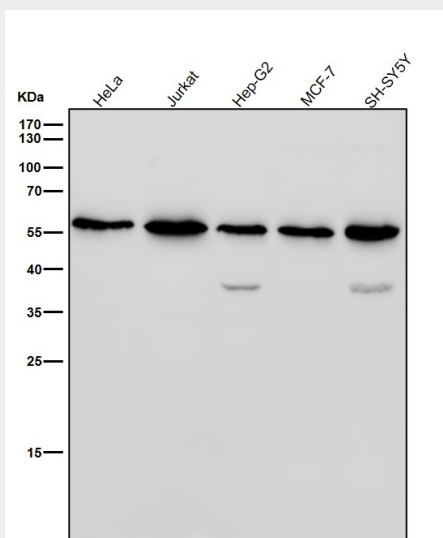
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

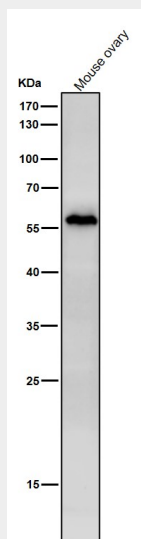
**Anti-NUP50 Rabbit Monoclonal Antibody - Images**



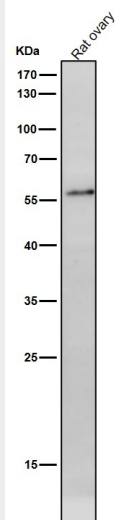
Western blot analysis of NUP50 expression in HeLa cell lysate.



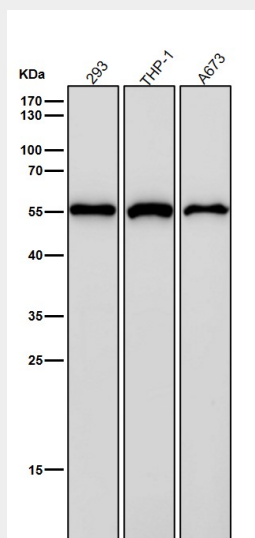
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



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