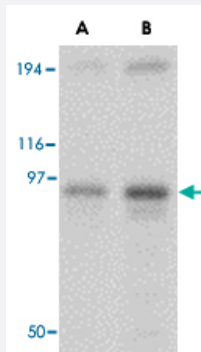


# NUP107 polyclonal antibody

Catalog # PAB13392      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of NUP107 in A-549 cell lysate with NUP107 polyclonal antibody (Cat # PAB13392) at (A) 1 and (B) 2 ug/mL .



### Immunocytochemistry

Immunocytochemical staining of A-549 cells with 10 ug/mL NUP107 polyclonal antibody (Cat # PAB13392).

## Specification

|                            |  |
|----------------------------|--|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of NUP107.                         |
| <b>Immunogen</b>           | A synthetic peptide corresponding to internal region 20 amino acids of human NUP107.           |
| <b>Host</b>                | Rabbit   |
| <b>Reactivity</b>          | Human, Mouse, Rat  |
| <b>Form</b>                | Liquid   |
| <b>Recommend Usage</b>     | Western Blot (1-2 ug/mL)<br>The optimal working dilution should be determined by the end user. |

|                     |   |
|---------------------|---|
| Storage Buffer      | In PBS (0.02% sodium azide)   |
| Storage Instruction | Store at 4°C for three months. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |

## Applications

- Western Blot (Cell lysate)

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- Immunocytochemistry

Immunocytochemical staining of A-549 cells with 10 ug/mL NUP107 polyclonal antibody (Cat # PAB13392).

## Gene Info — NUP107

|                    |  |
|--------------------|--|
| Entrez GeneID      | <a href="#">57122</a>  |
| Protein Accession# | <a href="#">P57740</a>   |
| Gene Name          | NUP107   |
| Gene Alias         | NUP84  |
| Gene Description   | nucleoporin 107kDa   |
| Omim ID            | <a href="#">607617</a>   |
| Gene Ontology      | <a href="#">Hyperlink</a>  |
| Gene Summary       | This gene encodes a member of the nucleoporin family. The protein is localized to the nuclear rim and is an essential component of the nuclear pore complex (NPC). All molecules entering or leaving the nucleus either diffuse through or are actively transported by the NPC. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [ provided by RefSeq |
| Other Designations | -  |

## Publication Reference

- [Identification of host proteins required for HIV infection through a functional genomic screen.](#)

Brass AL, Dykxhoorn DM, Benita Y, Yan N, Engelman A, Xavier RJ, Lieberman J, Elledge SJ.

Science 2008 Jan; 319(5865):921.

- [The Nup107-160 nucleoporin complex is required for correct bipolar spindle assembly.](#)

Orjalo AV, Arnaoutov A, Shen Z, Boyarchuk Y, Zeitlin SG, Fontoura B, Briggs S, Dasso M, Forbes DJ.

Molecular Biology of the Cell 2006 Sep; 17(9):3806.

- [Depletion of a single nucleoporin, Nup107, prevents the assembly of a subset of nucleoporins into the nuclear pore complex.](#)

Boehmer T, Enninga J, Dales S, Blobel G, Zhong H.

PNAS 2003 Feb; 100(3):981.

Application: IF, WB-Tr, Human, HeLa cells

## Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)