

Datasheet for ABIN500395
anti-NUP107 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	NUP107
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUP107 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	NUP107 antibody was raised against a 15 amino acid peptide from near the carboxy terminus of human NUP107.
Isotype:	IgG
Specificity:	This antibody detects NUP107 at C-term.
Purification:	Immunoaffinity chromatography

Target Details

Target:	NUP107
Alternative Name:	NUP107 (NUP107 Products)
Background:	The nuclear pore complex (NPC) is a protein assembly localized at the nuclear rim and

Target Details

mediates macromolecular transport between the nucleus and the cytoplasm. The mammalian nucleoporin (NUP)-107 is part of the hetero-oligomeric complex that also contains NUP160, NUP133, NUP96, and mammalian homolog of yeast sec13p. While the majority of the NUP107-160 nuclear pore sub-complex localizes to the nuclear pore, a small fraction is observed at kinetochores and pro-metaphase spindle poles in mitotic cells in association with proteins such as Mad1, Mad2, Bub3 and Cdc20. Immunodepletion of the NUP107-160 complex resulted in defective spindle assembly indicating that it has multiple functions. NUP107 has recently been identified as an HIV dependency factor (HDF), suggesting that NUP107 may be an important drug target in HIV treatment. Multiple isoforms of NUP107 are known to exist. Synonyms: NUP84, Nuclear pore complex protein Nup107, Nucleoporin Nup107

Gene ID: 57122

UniProt: [P57740](#)

Pathways: [Protein targeting to Nucleus](#)

Application Details

Application Notes: ELISA. Western blot: 1 - 2 µg/mL. Immunocytochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1,0 mg/mL

Buffer: PBS containing 0.02 % sodium azide as preservative

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

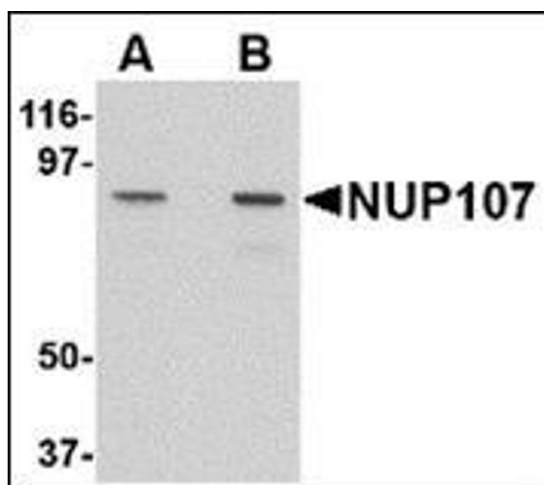
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunocytochemistry of NUP107 in A549 cells with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of NUP107 in A549 cell lysate with this product at (A) 1 and (B) 2 µg/ml.