

Product datasheet for **TA306612**

NUP107 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IF: 10 ug/mL
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	NUP107 antibody was raised against a 15 amino acid peptide from near the carboxy terminus of human NUP107.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	nucleoporin 107kDa
Database Link:	NP_065134 Entrez Gene 116555 Rat Entrez Gene 57122 Human P57740



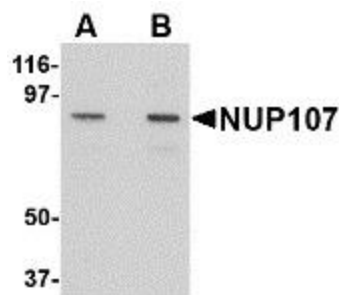
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Background:

The nuclear pore complex (NPC) is a protein assembly localized at the nuclear rim and 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:

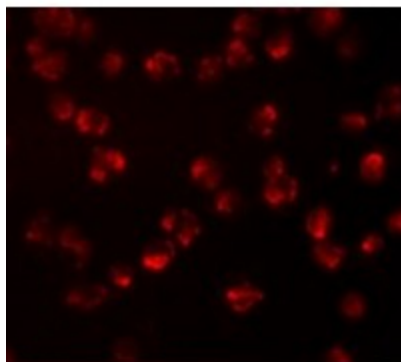
NPHS11; NUP84

Product images:


Western blot analysis of NUP107 in A549 cell lysate with NUP107 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of NUP107 in A549 cells with NUP107 antibody at 2.5 ug/mL.



Immunofluorescence of NUP107 in A549 cells with NUP107 antibody at 10 ug/mL.