

Anti-NUP107 Antibody

Catalog Number: A03724

About NUP107

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.

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Overview

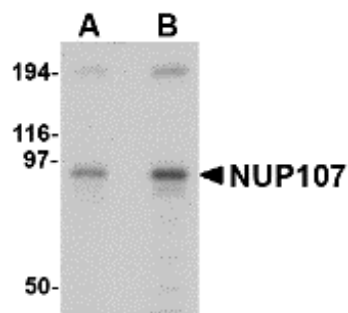
Product Name	Anti-NUP107 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NUP107 Antibody (Catalog # A03724). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	NUP107 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	NUP107 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P57740

Technical Details

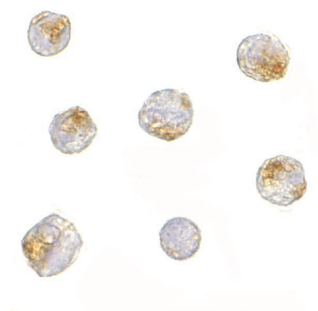
Immunogen	NUP107 antibody was raised against a 20 amino acid synthetic peptide from near the center of human NUP107. The immunogen is located within amino acids 370 - 420 of NUP107.
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Predicted Reactive Species	Bovine, Chicken
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	NUP107 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	NUP107 antibody can be used for detection of NUP107 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 10 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

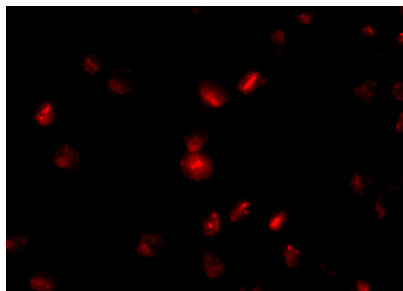
Anti-NUP107 Antibody (A03724) Images



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 10 ug/mL.



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

[Anti-NUP107 Antibody](#)

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