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# anti-NUP107 antibody (Center)

**Images** 



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Overview	
Quantity:	0.1 mg
Target:	NUP107
Binding Specificity:	Center
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 20 amino acid peptide from near the center of human NUP107.
Isotype:	IgG
Specificity:	This antibody detects NUP107 at center.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography
Target Details	
Target:	NUP107
Alternative Name:	NUP107 (NUP107 Products)

# **Target Details**

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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:
	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	
Buffer:	PBS containing 0.02 % sodium azide
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 at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



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## **Immunofluorescence**

Image 1. Immunocytochemistry of NUP107 in A549 cells with this product at 10  $\mu$ g/ml.

## **Western Blotting**

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