NUP107 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NUP107, Polyclonal Antibody
Full Product Name	NUP107 Polyclonal Conjugated Antibody
Product Gene Name	anti-NUP107 antibody
Product Synonym Names	NUP107 Conjugated Antibody; NUP107; NPHS11; NUP84; nucleoporin 107
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Purity/Purification	Affinity purification
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	106,374 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (69080731..69136473). Location: 12q15
OMIM	607617
3D Structure	ModBase 3D Structure for P57740
Immunogen	Recombinant fusion protein of human NUP107 (NP_065134.1).
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-NUP107 antibody	Most Applications
Application Notes for anti-NUP107 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-NUP107 antibody	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.
Other Notes	Small volumes of anti-NUP107 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for NUP107 purchase	MBS9439793 is an antibody targeting NUP107. Also known as NUP107 Polyclonal Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NUP107. It may not necessarily be applicable to this product.

NCBI GI #	9966881
NCBI GeneID	57122
NCBI Accession #	NP_065134.1
UniProt Primary Accession #	P57740
UniProt Related Accession #	P57740
GenBank Nucleotide #	NM_020401.2
NCBI Official Full Name	nuclear pore complex protein Nup107
NCBI Official Synonym Full Names	nucleoporin 107kDa
NCBI Official Symbol	NUP107
NCBI Official Synonym Symbols	NUP84
UniProt Protein Name	Nuclear pore complex protein Nup107
UniProt Synonym Protein Names	107 kDa nucleoporin; Nucleoporin Nup107
Protein Family	Nuclear pore complex protein
UniProt Gene Name	NUP107
UniProt Entry Name	NU107_HUMAN
NCBI Protein Information	nuclear pore complex protein Nup107; nucleoporin Nup107; 107 kDa nucleoporin
UniProt Comments for NUP107	NUP107: Essential component of nuclear pore complex. Required for the assembly of peripheral proteins into the nuclear pore complex. Belongs to the nucleoporin Nup84/Nup107 family. Protein type: Nucleoporin Chromosomal Location of Human Ortholog: 12q15 Cellular Component: nucleoplasm; kinetochore; centrosome; nuclear membrane; membrane; nuclear pore; nuclear envelope; cytosol Molecular Function: protein binding; structural constituent of nuclear pore; nucleocytoplasmic transporter activity Biological Process: nuclear pore complex assembly; viral reproduction; cytokine and chemokine mediated signaling pathway; mitotic nuclear envelope disassembly; pathogenesis; glucose transport; viral infectious cycle; mRNA export from nucleus; protein transport; hexose transport; carbohydrate metabolic process; gene expression; viral transcription; mitotic cell cycle; transmembrane transport
Research Articles on NUP107	**1.** The SUMO-specific isopeptidase SENP2 associates dynamically with nuclear pore complexes through interactions with karyopherins and the Nup107-160 nucleoporin subcomplex.
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