



NU107 Monoclonal Antibody

Catalog No	BYmab-05862
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	NUP107
Protein Name	Nuclear pore complex protein Nup107 (107 kDa nucleoporin) (Nucleoporin Nup107)
Immunogen	Synthesized peptide derived from human protein . at AA range: 600-680
Specificity	NU107 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	101kD
Cell Pathway	Nucleus membrane . Nucleus, nuclear pore complex . Chromosome, centromere, kinetochore . Located on both the cytoplasmic and nuclear sides of the NPC core structure (PubMed:11564755). During mitosis, localizes to the kinetochores (PubMed:11564755). Dissociates from the disassembled NPC structure late during prophase of mitosis (PubMed:11564755). .
Tissue Specificity	Ubiquitously expressed in fetal and adult tissues.
Function	function:Essential component of nuclear pore complex. Required for the assembly of peripheral proteins into the nuclear pore complex.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the nucleoporin Nup84/Nup107 family.,subcellular location:Located on both the cytoplasmic and nuclear sides of the nuclear pore. During mitosis, localizes to the kinetochores.,subunit:Forms part of the Nup160 subcomplex in the nuclear pore which is composed of Nup160, Nup133, Nup107 and Nup96. This complex plays a role in RNA export and in tethering Nup98 and Nup153 to the nucleus.,

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Background	nucleoporin 107(NUP107) Homo sapiens 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. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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