



NU155 Monoclonal Antibody

Catalog No	YP-mAb-05865
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	NUP155 KIAA0791
Protein Name	Nuclear pore complex protein Nup155 (155 kDa nucleoporin) (Nucleoporin Nup155)
Immunogen	Synthesized peptide derived from human protein . at AA range: 840-920
Specificity	NU155 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	153kD
Cell Pathway	Nucleus, nuclear pore complex . Nucleus membrane ; Peripheral membrane protein ; Cytoplasmic side . Nucleus membrane ; Peripheral membrane protein ; Nucleoplasmic side . In mitosis, assumes a diffuse cytoplasmic distribution probably as a monomer, before reversing back into a punctate nuclear surface localization at the end of mitosis. .
Tissue Specificity	Expressed in all tissues tested, including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
Function	function:Essential component of nuclear pore complex. Nucleoporins may be involved both in binding and translocating proteins during nucleocytoplasmic transport.,PTM:Phosphorylated. Phosphorylation and dephosphorylation may be important for the function of NUP155 and may play a role in the reversible disassembly of the nuclear pore complex during mitosis.,similarity:Belongs to the non-repetitive/WGA-negative nucleoporin family.,subcellular location:In mitosis, assumes a diffuse cytoplasmic distribution probably as a monomer, before reversing back into a punctate nuclear surface localization at the end of mitosis.,subunit:Interacts with GLE1 and NUP35/NUP53. Able to form a heterotrimer with GLE1 and NUPL2 in vitro.,tissue specificity:Expressed in all tissues tested, including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.,

**Background**

nucleoporin 155(NUP155) Homo sapiens Nucleoporins are proteins that play an important role in the assembly and functioning of the nuclear pore complex (NPC) which regulates the movement of macromolecules across the nuclear envelope (NE). The protein encoded by this gene plays a role in the fusion of NE vesicles and formation of the double membrane NE. The protein may also be involved in cardiac physiology and may be associated with the pathogenesis of atrial fibrillation. Alternative splicing results in multiple transcript variants of this gene. A pseudogene associated with this gene is located on chromosome 6. [provided by RefSeq, May 2013],

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.

Products Images