



# NUCL Monoclonal Antibody

<b>Catalog No</b>	BYmab-07777
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	NCL
<b>Protein Name</b>	Nucleolin (Protein C23)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	NUCL Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	78kD
<b>Cell Pathway</b>	Nucleus, nucleolus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.
<b>Tissue Specificity</b>	Brain,Cervix carcinoma,Epithelium,Hair follicle dermal papilla,Muscle,Retina,
<b>Function</b>	function:Nucleolin is the major nucleolar protein of growing eukaryotic cells. It is found associated with intranucleolar chromatin and pre-ribosomal particles. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly. May play a role in the process of transcriptional elongation. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats.,sequence caution:Unlikely isoform. Aberrant splice sites.,similarity:Contains 4 RRM (RNA recognition motif) domains.,subunit:Interacts with APTX and NSUN2. Component of the SWAP complex that consists of NPM1, NCL/nucleolin, PARP1 and SWAP70. Component of a complex which is at least composed of HTATSF1/Tat-SF1, the P-TEFb complex components CDK9 and CCNT1, RNA polymerase II, SUPT5H,

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and NCL/nucleolin.,

**Background**

Nucleolin (NCL), a eukaryotic nucleolar phosphoprotein, is involved in the synthesis and maturation of ribosomes. It is located mainly in dense fibrillar regions of the nucleolus. Human NCL gene consists of 14 exons with 13 introns and spans approximately 11kb. The intron 11 of the NCL gene encodes a small nucleolar RNA, termed U20. [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.

## Products Images

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