

DATASHEET

Nucleolin (Phospho-T84) Rabbit Monoclonal Antibody(C1537)

CAT. NO. AMA01149

KEY FEATURES

| | | | |
|---------------|--|---------------|--------------|
| Target | Nucleolin (Phospho-T84) | Source / Host | Rabbit |
| Reactivity | Human | Clonality | Monoclonal |
| Applications | WB, IHC | Conjugation | Unconjugated |
| Form / Buffer | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide. | Storage | at-20°C |

BACKGROUND

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.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|-----|----------------|
| WB | 1:500 - 1:1000 |
| IHC | 1:50 - 1:200 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|-------------------|--|
| Description | Recombinant rabbit monoclonal antibody to Nucleolin (Phospho-T84) |
| Specificity | Recognizes endogenous levels of Nucleolin protein only when phosphorylated at T84 |
| Antibody Type | Primary antibody, Recombinant |
| Immunogen | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding T84 of human Nucleolin. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 76 kD; Observed: 100 kD |
| Form/Buffer | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide. |
| Alternative Names | Nucleolin; Protein C23 |
| Gene Symbol | NCL |
| Entrez Gene | 4691(Human) |
| SwissProt | P19338(Human) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

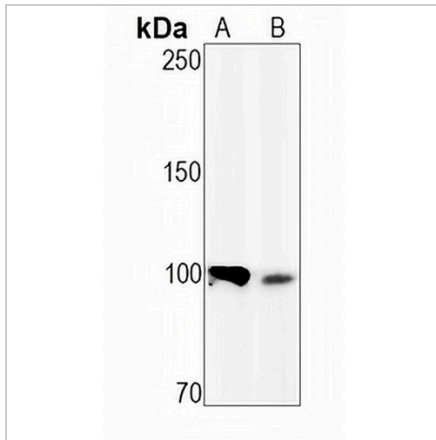
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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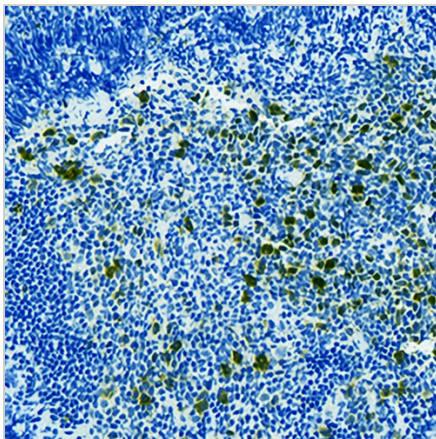
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Western blot analysis of Nucleolin (Phospho-T84) expression in K562 (A), MCF7 (B) whole cell lysates. (Predicted band size: 76 kD; Observed band size: 100 kD)



Immunohistochemical analysis of Nucleolin (Phospho-T84) staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.