

Product Datasheet

Nucleolin Antibody (orb385928)

Catalog Number	orb385928
Category	Antibodies
Description	Nucleolin (NCL) is the major nucleolar phosphoprotein of growing eukaryotic cells. It is located mainly in dense fibrillar regions of the nucleolus. NCL 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.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1
Conjugation	Unconjugated
Reactivity	Human, Mouse
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	Recombinant human protein was used as the immunogen for the Nucleolin antibody.
UniProt ID	P19338
Tested applications	FACS, IF, IHC-P, WB
Dilution range	Immunofluorescence: 1-2ug/ml, Flow cytometry: 1-2ug/million cells in 0.1ml, Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT, Prediluted IHC only format: incubate for 30 min at RT (1)

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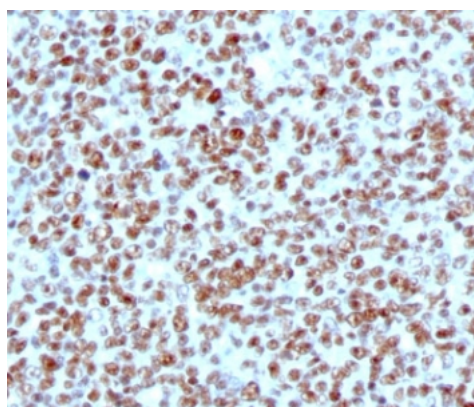
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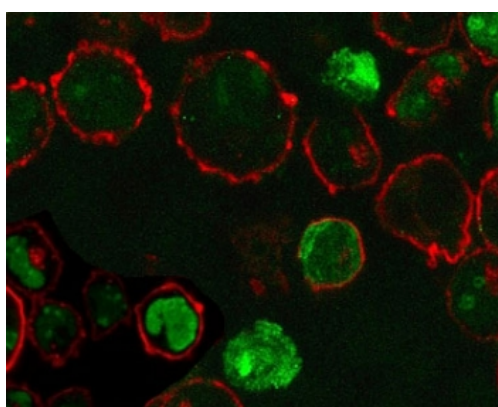
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Application notes	Titering of the Nucleolin antibody may be required for optimal performance.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	NPC23-2
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human tonsil with Nucleolin antibody (clone NPC23-2). FFPE testing requires sections to be boiled in pH9 10 mM Tris with 1 mM EDTA for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.



Immunofluorescent staining of PFA-fixed human K562 cells with Nucleolin antibody (green, clone NPC23-2) and Phalloidin (red).

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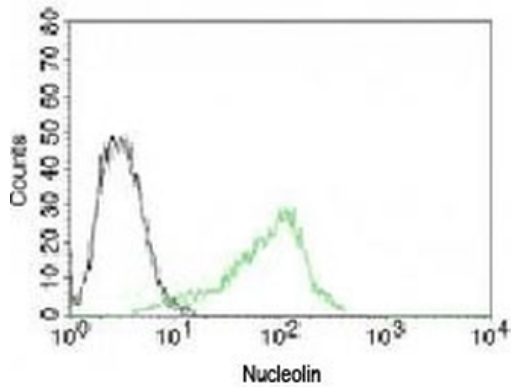
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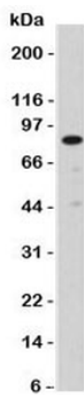
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Flow cytometry testing of human 293 cells with isotype control and Alexa Fluor 488-labeled Nucleolin antibody (green, clone NPC23-2).



Western blot testing of Nucleolin antibody (clone NPC23-2) and A431 lysate. Predicted molecular weight ~77 kDa.

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