

Product Datasheet

Nucleolin Antibody (orb2638986)

Description	Recognizes a protein of ~76kDa, which is identified as Nucleolin (NCL). It is the major nucleolar phosphoprotein of growing eukaryotic cells. NCL is located mainly in dense fibrillar regions of the nucleolus. It is found associated with intranucleolar chromatin and pre-ribosomal particles. Human NCL gene consists of 14 exons with 13 introns and spans approximately 11kb. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly.
Species/Host	Mouse
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	FACS, IF, IHC-P, WB
Immunogen	Recombinant human protein was used as the immunogen for the Nucleolin antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide
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
Application notes	Optimal dilution of the CD56 antibody should be determined by the researcher.1. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min2. 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.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Mouse IgG1, kappa

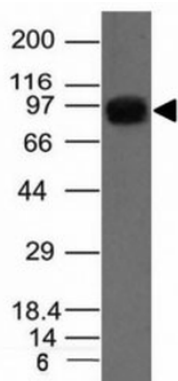
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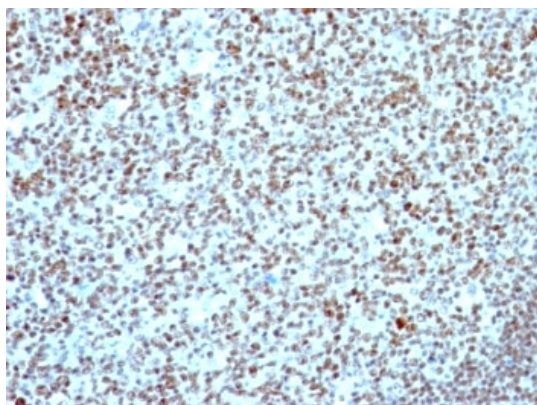
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Clonality	Monoclonal
Clone Number	NCL/902
Antibody Type	Primary Antibody
Purity	Protein G affinity chromatography
Uniprot ID	P19338
Hazard Information	This Nucleolin antibody is available for research use only.
Dilution Range	Flow cytometry: 1-2ug/million cells,Immunofluorescence: 1-2ug/ml,Western blot: 1-2ug/ml,Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



Western blot of A431 cell lysate using Nucleolin antibody.



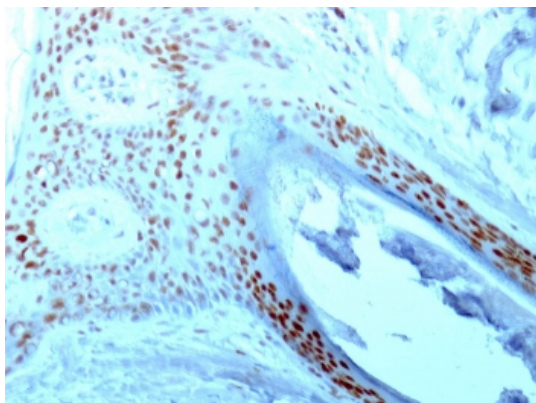
IHC: Formalin-fixed, paraffin-embedded human tonsil stained with Nucleolin antibody.

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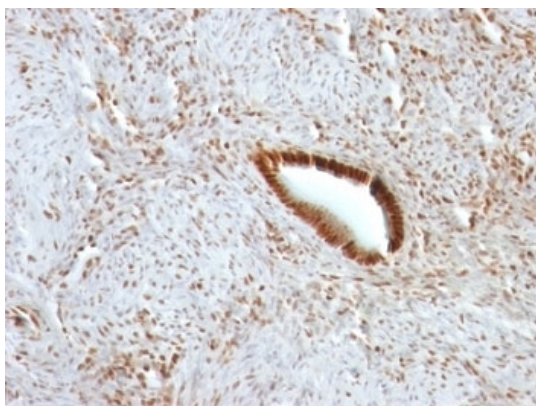
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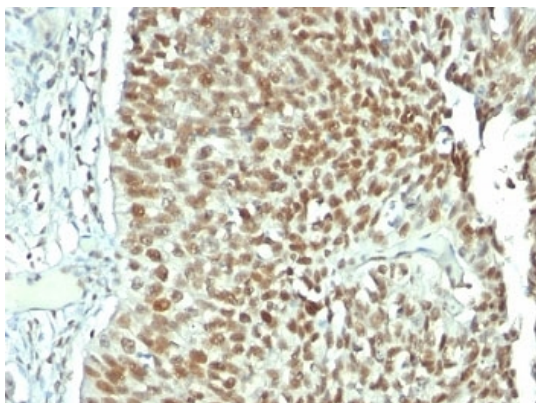
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IHC: Formalin-fixed, paraffin-embedded human skin stained with Nucleolin antibody.



IHC: Formalin-fixed, paraffin-embedded human uterus stained with Nucleolin antibody.



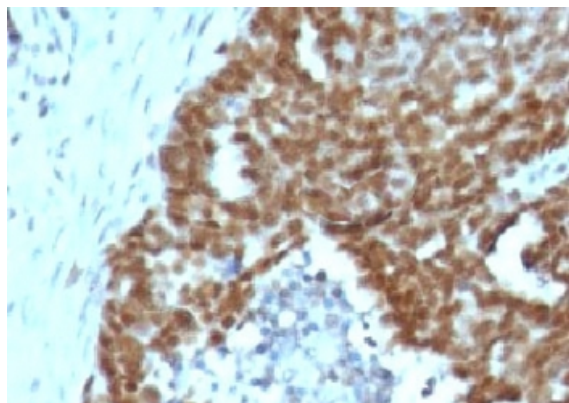
IHC: Formalin-fixed, paraffin-embedded human bladder carcinoma stained with Nucleolin antibody.

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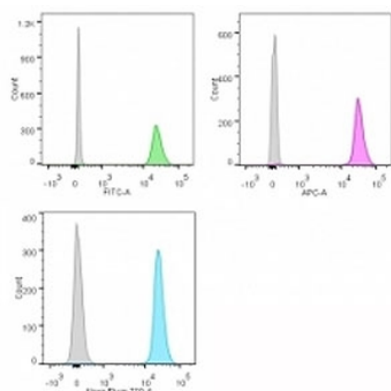
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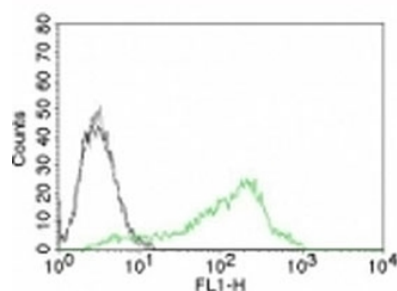
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IHC: Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with Nucleolin antibody.



Flow cytometry of human Jurkat cells. Grey: isotype control; Green: FITC-labeled; Purple: APC-Labeled; turquoise: AF700-Labeled Nucleolin antibody.



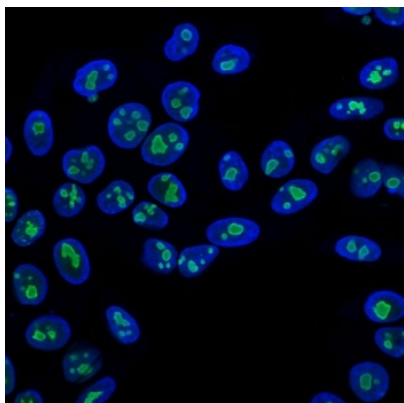
Flow cytometry testing of human 293T cells. Black: cells alone; Grey: isotype control; Green: AF488-labeled Nucleolin antibody.

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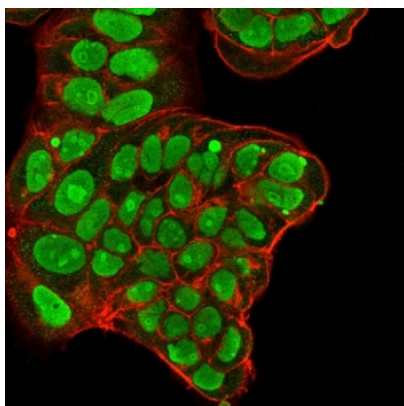
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Permeabilized human HeLa cells stained with AF488 labeled Nucleolin antibody. Green: AF488-labeled Ab. Blue: DAPI.



Immunofluorescent staining of PFA-fixed human MCF7 cells with Nucleolin antibody (green, clone NCL/902) and Phalloidin (red).

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