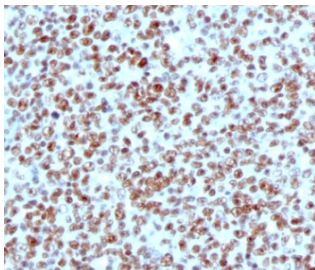


Nucleolin Antibody [clone NPC23-2] (V7196)

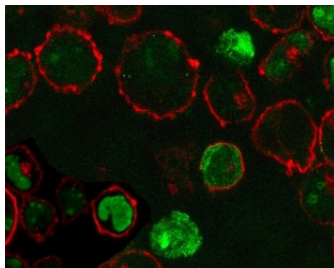
Catalog No.	Formulation	Size
V7196-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7196-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7196SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7196IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

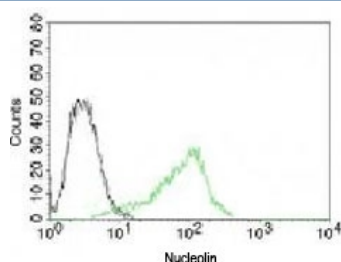
Availability	1-3 business days
Species Reactivity	Human, Mouse; Other species not known.
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	NPC23-2
Purity	Protein G affinity chromatography
UniProt	P19338
Localization	Nucleoli
Applications	Immunofluorescence : 1-2ug/ml Flow 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)
Limitations	This Nucleolin antibody is available for research use only.



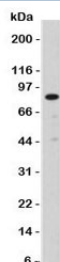
IHC testing of FFPE human tonsil with Nucleolin antibody (clone NPC23-2). FFPE testing requires sections to be boiled in pH 9 10mM Tris with 1mM EDTA for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.



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



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.

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.

Application Notes

Titration 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.

Immunogen

Recombinant human protein was used as the immunogen for the Nucleolin antibody.

Storage

Store the Nucleolin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

