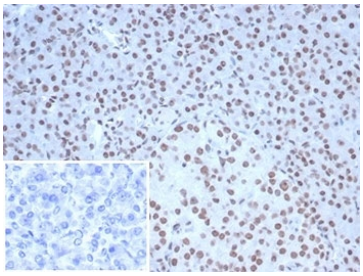
Nucleolin Antibody NCL/7338 / Mouse Monoclonal [clone NCL/7338] (V9444)

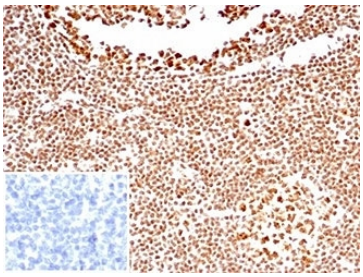
Catalog No.	Formulation	Size
V9444-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9444-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9444SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

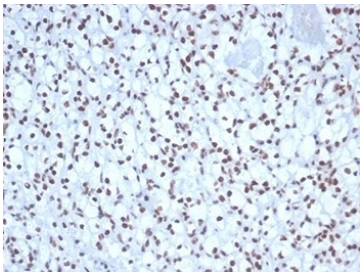
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	NCL/7338
Purity	Protein A/G affinity
UniProt	P19338
Localization	Nucleoli
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Nucleolin Antibody NCL/7338 is available for research use only.



Nucleolin Antibody NCL/7338 Immunohistochemistry Analysis. IHC staining of FFPE human pancreatic tissue with Nucleolin antibody (clone NCL/7338). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil tissue with Nucleolin antibody (clone NCL/7338). Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human kidney tissue with Nucleolin antibody (clone NCL/7338). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Nucleolin Antibody NCL/7338 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.This MAb can be used to stain the nucleoli in cell or tissue preparations and can be used as a marker of the nucleoli in subcellular fractions. It produces a speckled pattern in the nuclei of cells of normal and malignant cells and may be used to stain the nucleoli of cells in fixed or frozen tissue sections. It can be used with paraformaldehyde fixed frozen tissue or cell preparations and formalin fixed, paraffin-embedded tissue sections.

For an alternative monoclonal antibody targeting this nucleolar protein, see our Nucleolin Antibody NCL/902, validated for western blot, immunohistochemistry, immunofluorescence, and flow cytometry.

Application Notes

Optimal dilution of the Nucleolin Antibody NCL/7338 should be determined by the researcher.

Immunogen

Recombinant full-length human NCL protein was used as the immunogen for the Nucleolin antibody.

Storage

Aliquot the Nucleolin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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