Recombinant Nucleolin (Marker of Human Cells) Antibody

Rabbit Monoclonal Antibody [Clone NCL/7014R]

Catalog No	Format	Size
4691-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4691-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4691-RBM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

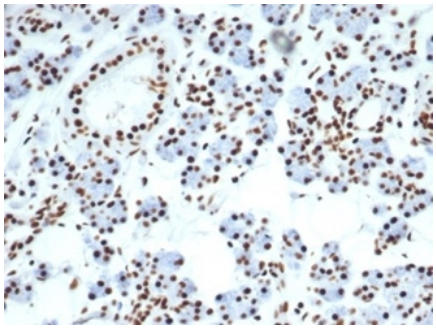
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

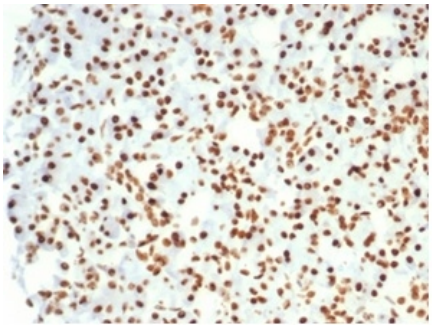
Clone	NCL/7014R
Gene Name	NCL
Immunogen	Recombinant full-length human NCL protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	76kDa
Cellular Localization	Nucleolus, Nucleus
Species Reactivity	Human
Positive Control	All human cells. Human testis, ovary or Hodgkin s lymphoma.

**Optimal dilution for a specific application should be determined.*

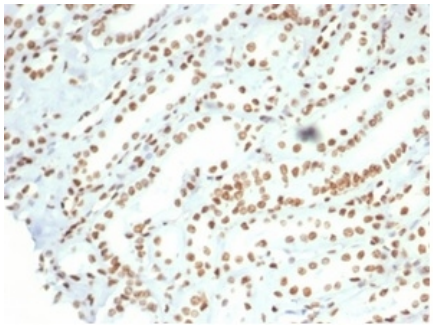
Product Images for Recombinant Nucleolin (Marker of Human Cells) Antibody



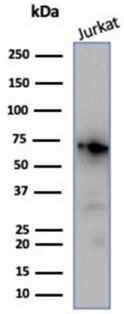
Formalin-fixed, paraffin-embedded human salivary gland stained with Nucleolin Recombinant Rabbit Monoclonal Antibody (NCL/7014R). HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



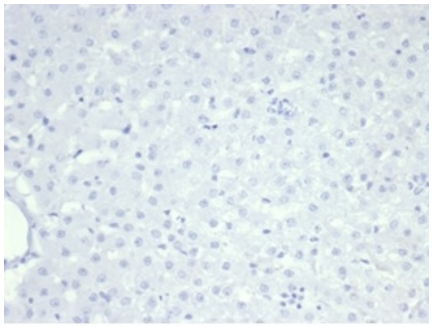
Formalin-fixed, paraffin-embedded human kidney stained with Nucleolin Recombinant Rabbit Monoclonal Antibody (NCL/7014R).



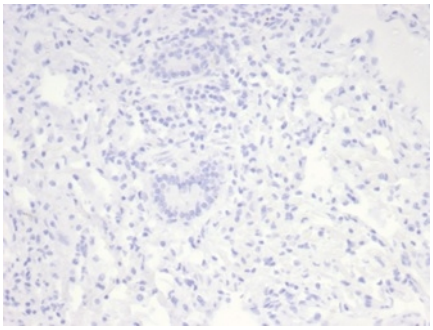
Formalin-fixed, paraffin-embedded human kidney stained with Nucleolin Recombinant Rabbit Monoclonal Antibody (NCL/7014R).



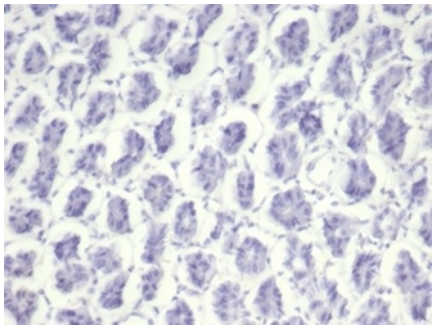
Western blot analysis of Jurkat cell lysate using Nucleolin Recombinant Rabbit Monoclonal Antibody (NCL/7014R).



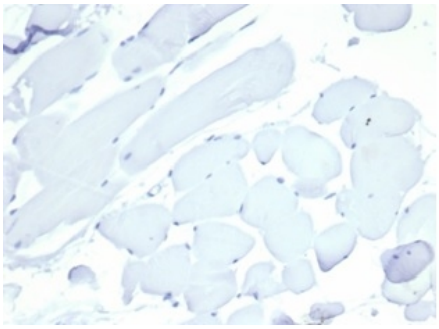
Formalin-fixed, paraffin-embedded cat liver stained with Nucleolin Recombinant Rabbit Monoclonal Antibody (NCL/7014R) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



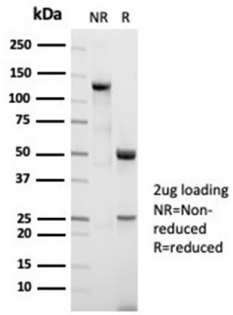
Formalin-fixed, paraffin-embedded horse lung stained with Nucleolin Recombinant Rabbit Monoclonal Antibody (NCL/7014R) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded mouse stomach stained with Nucleolin Recombinant Rabbit Monoclonal Antibody (NCL/7014R) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded cow heart stained with Nucleolin Recombinant Rabbit Monoclonal Antibody (NCL/7014R) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis Purified Nucleolin Recombinant Rabbit Monoclonal Antibody (NCL/7014R). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Nuclear Marker

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.