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NUP210 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9962a

Product Information

Application	WB, IHC-P, FC, IHC-P-Leica, E
Primary Accession	Q8TEM1
Other Accession	P11654, Q9QY81
Reactivity	Human, Mouse, Rat
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23675
Calculated MW	205111
Antigen Region	202-231

Additional Information

Gene ID	23225
Other Names	Nuclear pore membrane glycoprotein 210, Nuclear pore protein gp210, Nuclear envelope pore membrane protein POM 210, POM210, Nucleoporin Nup210, Pore membrane protein of 210 kDa, NUP210, KIAA0906
Target/Specificity	This NUP210 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 202-231 amino acids from the N-terminal region of human NUP210.
Dilution	WB~~1:2000 IHC-P~~1:100~500 FC~~1:10~50 IHC-P-Leica~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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.
Precautions	NUP210 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NUP210

Synonyms	KIAA0906
Function	Nucleoporin essential for nuclear pore assembly and fusion, nuclear pore spacing, as well as structural integrity.
Cellular Location	Nucleus, nuclear pore complex. Nucleus membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein
Tissue Location	Ubiquitous expression, with highest levels in lung, liver, pancreas, testis, and ovary, intermediate levels in brain, kidney, and spleen, and lowest levels in heart and skeletal muscle

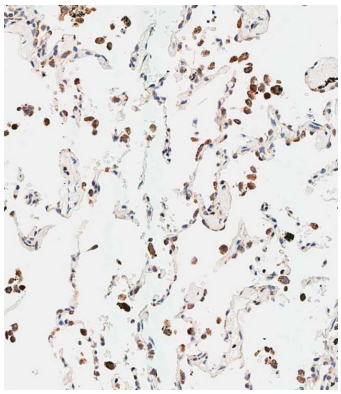
Background

NUP210 nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. The protein encoded by this gene is a membrane-spanning glycoprotein that is a major component of the nuclear pore complex.

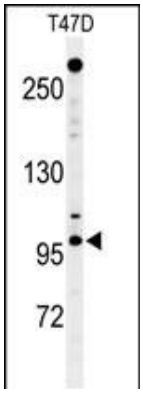
References

Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)
Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Stavru, F., et al. J. Cell Biol. 173(4):477-483(2006)

Images

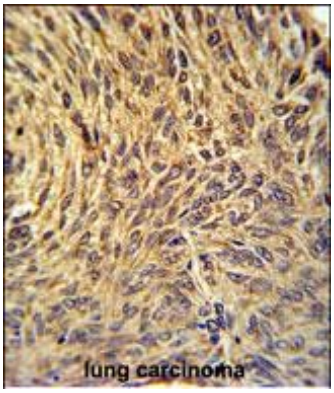


Immunohistochemical analysis of paraffin-embedded human lung tissue using AP9962a performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

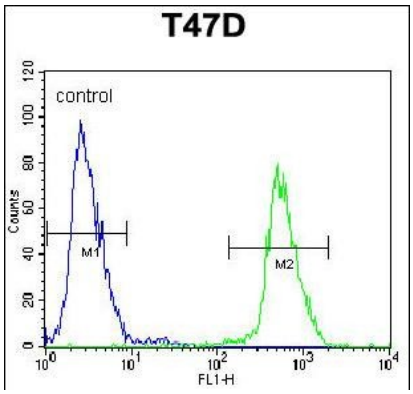


Western blot analysis of NUP210 Antibody (N-term) (Cat. #AP9962a) in T47D cell line lysates (35ug/lane). NUP210 (arrow) was detected using the purified Pab.

NUP210 Antibody (N-term) (Cat. #AP9962a) immunohistochemistry analysis in formalin fixed and



paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NUP210 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



NUP210 Antibody (N-term) (Cat. #AP9962a) flow cytometric analysis of T47D cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.