

Rabbit anti-Human, Rat GP210/NUP210 Polyclonal Antibody | anti-NUP210 antibody

Anti-GP210/NUP210 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19541	Rabbit	Human, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

GP210/NUP210; Polyclonal Antibody; Anti-GP210/NUP210 Antibody Picoband; anti-NUP210 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-NUP210 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Application Notes	WB: 0.1-0.25 ug/ml, Human, Rat IHC-P: 2-5 ug/ml, Human ICC/IF: 5 ug/ml, Human FC/FACS: 1-3 ug/1x10 ⁶ cells, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human GP210/NUP210 recombinant protein (Position: R221-K1724).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



WB (Western Blot)

Figure 1. Western blot analysis of GP210/NUP210 using anti-GP210/NUP210 antibody (AAA19541). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human HEK293 whole cell lysates, Lane 3: rat thymus tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GP210/NUP210 antigen affinity purified polyclonal antibody (#AAA19541) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for GP210/NUP210 at approximately 250 kDa. The expected band size for GP210/NUP210 is at 205 kDa.



IF (Immunofluorescence)

Figure 5. IF analysis of GP210/NUP210 using anti-GP210/NUP210 antibody (AAA19541). GP210/NUP210 was detected in an immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-GP210/NUP210 Antibody (AAA19541) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of GP210/NUP210 using anti-GP210/NUP210 antibody (AAA19541). GP210/NUP210 was detected in a paraffin-embedded section of human liver tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-GP210/NUP210 Antibody (AAA19541) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



FCM (Flow Cytometry)

Figure 6. Flow Cytometry analysis of JK cells using anti-GP210/NUP210 antibody (AAA19541). Overlay histogram showing JK cells stained with AAA19541 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-GP210/NUP210 Antibody (AAA19541, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of GP210/NUP210 using anti-GP210/NUP210 antibody (AAA19541). GP210/NUP210 was detected in a paraffin-embedded section of human appendiceal adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-GP210/NUP210 Antibody (AAA19541) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of GP210/NUP210 using anti-GP210/NUP210 antibody (AAA19541). GP210/NUP210 was detected in a paraffin-embedded section of human liver tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-GP210/NUP210 Antibody (AAA19541) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-NUP210 antibody	The 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. Multiple pseudogenes related to this gene are located on chromosome 3.
Product Categories/Family for anti-NUP210 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	27477134
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NCBI GeneID	23225
NCBI Accession #	NP_079199.2
NCBI GenBank Nucleotide #	NM_024923.3
UniProt Accession #	Q8TEM1 ; O94980 ; Q6NXG6 ; Q8NB11 ; Q9H6C8 ; Q9UFP3 ; A6NN56
Molecular Weight	105,810 Da
NCBI Official Full Name	nuclear pore membrane glycoprotein 210
NCBI Official Synonym Full Names	nucleoporin 210kDa
NCBI Official Symbol	NUP210
NCBI Official Synonym Symbols	GP210; POM210
NCBI Protein Information	nuclear pore membrane glycoprotein 210; nuclear envelope pore membrane protein POM 210; nuclear pore protein gp210; nucleoporin Nup210; pore membrane protein of 210 kDa
UniProt Protein Name	Nuclear pore membrane glycoprotein 210
UniProt Gene Name	NUP210
UniProt Synonym Gene Names	KIAA0906; Nuclear pore protein gp210; POM210
UniProt Entry Name	PO210_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gp210-nup210-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-immunocytochemistry-western-blot-elisa/19541>