For Research Use Only

GMAP-210 Polyclonal antibody

Catalog Number:26456-1-AP Featured Product 4 Publications

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Basic Information

Catalog Number:
26456-1-AP

Size:
150ul , Concentration: 700 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG13867

GenBank Accession Number:
BC002656

GeneID (NCBI):
9321

UNIPROT ID:
Q15643

Full Name:
thyroid hormone receptor interactor 11

Calculated MW:
1979 aa, 228 kDa

Observed MW:
230 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:250-1:1000
IF/ICC 1:300-1:1200

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HL-60 cells

IHC : human thyroid cancer tissue,

IF/ICC : HeLa cells,

Background Information

Golgi microtubule-associated protein 210 (GMAP-210), also referred to as CEV14, Trip11 or Trip230, is a peripheral Golgi protein that localizes to the cis-Golgi network. GMAP-210 is a 1,978 amino acid coiled-coil member of the golgin family of proteins. Microtubule ends bind to GMAP-210 which functions to link the cis-Golgi network to the minus ends of centrosome-nucleated microtubules. This interaction may be essential for the proper morphology and structural maintenance of the Golgi apparatus. GMAP-210 also associates with thyroid hormone receptor. Overexpression of GMAP-210 disrupts the micro-tubule network and causes a significant enlargement and fragmentation of the Golgi apparatus; it also blocks anterograde and retrograde transport between the ER and the Golgi apparatus.

Notable Publications

Author	Pubmed ID	Journal	Application
Jennifer Y Liu	34533192	Biol Open	WB
Priyanka Upadhyai	34057271	Hum Mutat	WB,IF
Antoine Reynaud	35714773	J Biol Chem	IF

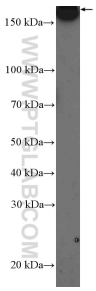
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

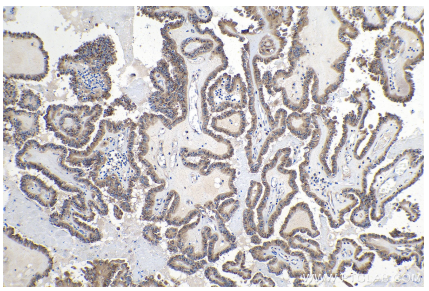
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

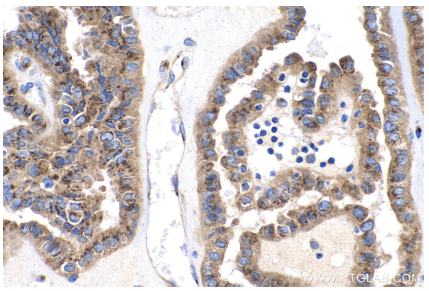
Selected Validation Data



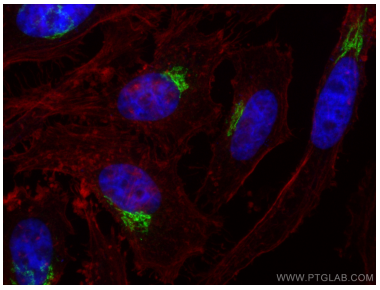
HeLa cells were subjected to SDS PAGE followed by western blot with 26456-1-AP (GMAP-210 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



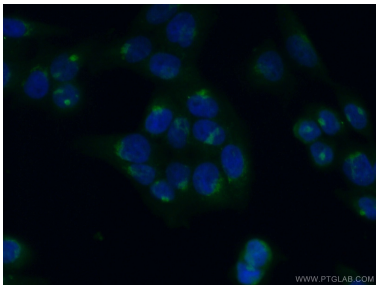
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 26456-1-AP (GMAP-210 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 26456-1-AP (GMAP-210 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GMAP-210 antibody (26456-1-AP) at dilution of 1:600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 26456-1-AP (GMAP-210 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).