

For Research Use Only

GRAMD1B Polyclonal antibody

Catalog Number: 24905-1-AP **2 Publications**



Basic Information

Catalog Number: 24905-1-AP	GenBank Accession Number: BC107480	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 850 µg/ml by Nanodrop;	GeneID (NCBI): 57476	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:20-1:200
Source: Rabbit	Full Name: GRAM domain containing 1B	
Isotype: IgG	Calculated MW: 738 aa, 85 kDa	
Immunogen Catalog Number: AG20670	Observed MW: 85 kDa	

Applications

Tested Applications: FC, IF, IHC, WB, ELISA	Positive Controls: WB : A549 cells, IHC : human liver cancer tissue, IF : A549 cells,
Cited Applications: IF, WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	

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

Background Information

GRAMD1B, also named as KIAA1201, contains a transmembrane region and two domains of known function; the GRAM domain and a VAS domain. It is predicted to localize in the nucleus, supported by several nuclear transport signals and nuclear associated motifs. This highly conserved gene is found in a variety of vertebrates and invertebrates, however, it is not found in bacteria or fungi. There're some isoforms with MW 50 kDa and 81-87 kDa. With phosphor modification, it's about 90-110 kDa in WB detection.

Notable Publications

Author	Pubmed ID	Journal	Application
John-Paul Andersen	32738348	Mol Metab	WB
Sepalika Bandara	37030626	J Lipid Res	WB,IF

Storage

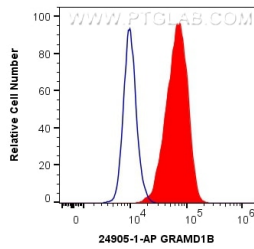
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

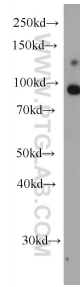
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

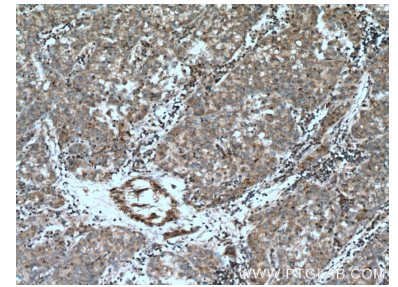
Selected Validation Data



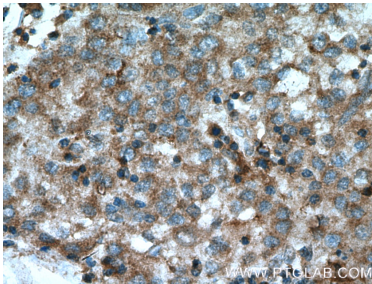
1X10⁶ A549 cells were intracellularly stained with 0.5 ug Anti-Human GRAMD1B (24905-1-AP) and CoraLite[®]488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



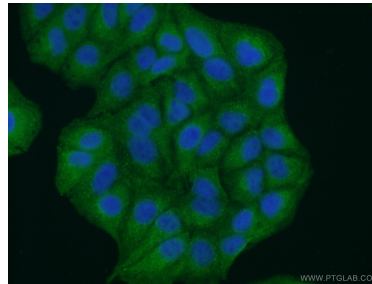
A549 cells were subjected to SDS PAGE followed by western blot with 24905-1-AP (GRAMD1B Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24905-1-AP (GRAMD1B Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24905-1-AP (GRAMD1B Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed A549 cells using 24905-1-AP (GRAMD1B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).