

For Research Use Only

COLEC11 Polyclonal antibody

Catalog Number: 15269-1-AP

7 Publications



Basic Information

Catalog Number:

15269-1-AP

Size:

150ul, Concentration: 1000 µg/ml by Nanodrop and 420 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7374

GenBank Accession Number:

BC000078

GeneID (NCBI):

78989

Full Name:

collectin sub-family member 11

Calculated MW:

29 kDa

Observed MW:

34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:20-1:200

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

FC, IF, IHC, WB

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB : mouse liver tissue, human plasma

IP : mouse liver tissue,

IHC : mouse liver tissue,

IF : ATCD5 cells,

Background Information

COLEC11, also named as CL-K1 and Collectin-11, belongs to the COLEC10/COLEC11 family. It is a lectin that binds to various sugars: fucose > mannose. It does not bind to glucose, N-acetylglucosamine and N-acetylgalactosamine. COLEC11 binds to LPS. COLEC11 and MASP1 are two genes in the lectin complement pathway, they are mutated in 3MC syndrome, implicating this diverse inflammation-chemotaxis cascade in the etiology of human developmental disorders. COLEC11 serves as a guidance cue for neural crest cell migration.(PMID:21258343)

Notable Publications

Author	Pubmed ID	Journal	Application
Rafael Bayarri-Olmos	30323815	Front Immunol	WB
Min Wei	34615657	Clin J Am Soc Nephrol	WB,IF
Anne Rosbjerg	24683193	J Immunol	WB

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

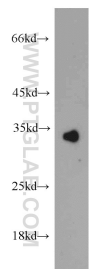
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

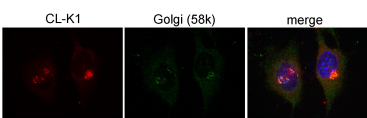
E: proteintech@ptglab.com
W: ptglab.com

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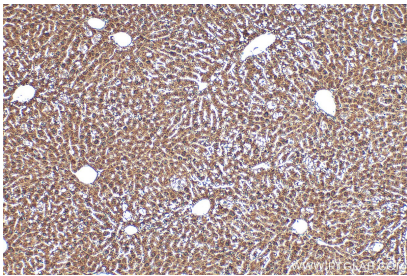
Selected Validation Data



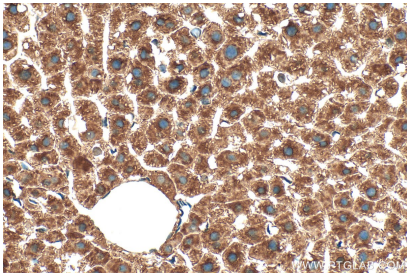
mouse liver tissue were subjected to SDS PAGE followed by western blot with 15269-1-AP (COLEC11 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



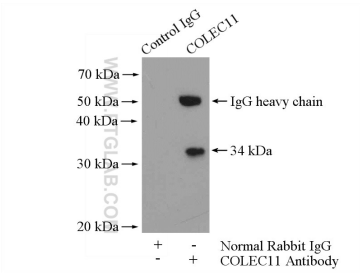
IF result (confocal image) of CL-K1 in ATCD5 cell show Golgi localization from Prof. Philip L. Beales.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15269-1-AP (COLEC11 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 mouse liver tissue slide using 15269-1-AP (COLEC11 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-COLEC11 (IP:15269-1-AP, 4ug; Detection:15269-1-AP 1:500) with mouse liver tissue lysate 6400ug.