For Research Use Only

COLEC11 Polyclonal antibody

Catalog Number:15269-1-AP 8 Publications

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Basic Information

Catalog Number:
15269-1-AP

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG7374

GenBank Accession Number:
BC000078

GeneID (NCBI):
78989

UNIPROT ID:
Q9BWP8

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 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF/ICC 1:20-1:200

Applications

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

Cited Applications:
WB, IHC, IF

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/ICC : 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

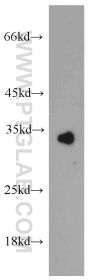
Storage

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

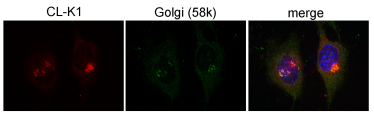
*** 20ul sizes contain 0.1% BSA

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

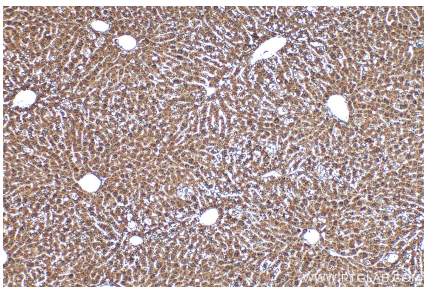
Selected Validation Data



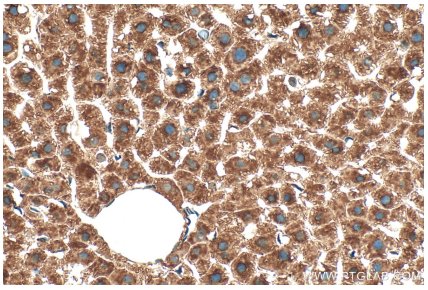
mouse liver tissue were subjected to SDS PAGE followed by western blot with 15269-1-AP (COLEC11 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



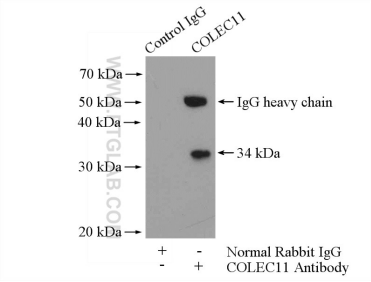
IF result (confocal image) of CL-K1 in ATCD5 cell show Golgi localization from Prof. Philip L. Beales.



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.