

For Research Use Only

Ficolin 2 Polyclonal antibody, PBS Only

Catalog Number: 32442-1-PBS



Basic Information

Catalog Number:

32442-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37525

GenBank Accession Number:

NM_004108

GeneID (NCBI):

2220

UNIPROT ID:

Q15485

Full Name:

ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)

Calculated MW:

34 kDa

Observed MW:

34-35 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, IF-P, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Ficolins are a group of oligomeric lectins with subunits consisting of both collagen-like and fibrinogen-like domains (PMID: 20375620). They are innate pattern recognition receptors and play integral roles in the immune response. In humans, there are three ficolins termed M-, L-, and H-ficolin (also referred to as ficolin-1, -2, and -3) whereas rodents only possess ficolin-A and -B, which are the orthologues of human L- and M-ficolin, respectively (PMID: 30868077). Ficolin 2 recognizes pathogen-associated pattern molecules (PAMPs) on the surface of pathogenic microorganisms, activates the complement lectin pathway, and binds to mannose-binding lectin-associated serine proteases (MASPs) to exert immune defense function (PMID: 21315829).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

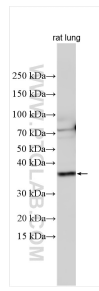
For technical support and original validation data for this product please contact:

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

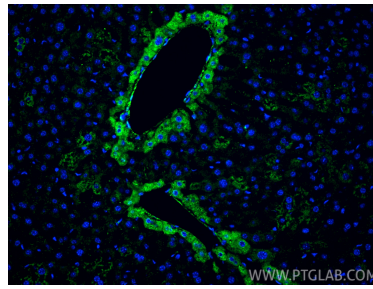
E: proteintech@ptglab.com
W: ptglab.com

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

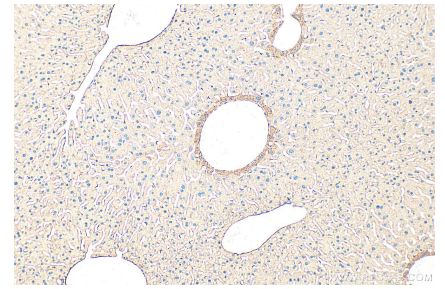
Selected Validation Data



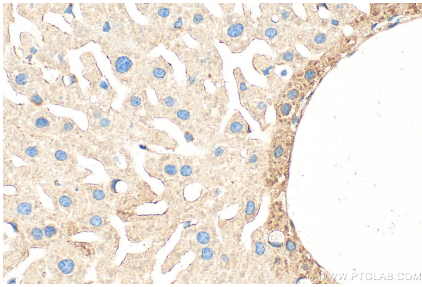
Various lysates were subjected to SDS PAGE followed by western blot with 32442-1-AP (FCN2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32442-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using Ficolin 2 antibody (32442-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 32442-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 32442-1-AP (Ficolin 2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 32442-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 32442-1-AP (Ficolin 2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 32442-1-PBS in a different storage buffer formulation.