

For Research Use Only

Ficolin 3 Polyclonal antibody, PBS Only

Catalog Number: 11867-1-PBS



Basic Information

Catalog Number:

11867-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2449

GenBank Accession Number:

BC020731

GeneID (NCBI):

8547

UNIPROT ID:

O75636

Full Name:

ficolin (collagen/fibrinogen domain containing) 3 (Hakata antigen)

Calculated MW:

33 kDa

Observed MW:

32 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

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 within the innate 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-3 (Hakata antigen or H-ficolin) was initially identified based on its reactivity with sera from patients with systemic lupus erythematosus (PMID: 1859827). It has been shown to have a calcium-independent lectin activity. Ficolin-3 is associated with MASPs and sMAP, and which activates the lectin pathway (PMID: 11907111). Ficolin-3 shows affinity for GalNAc, GlcNAc, D-fucose and galactose (PMID: 30868077).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

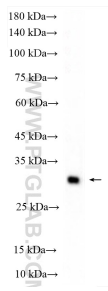
For technical support and original validation data for this product please contact:

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

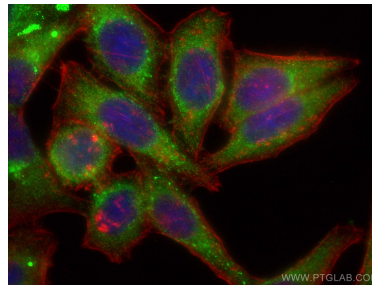
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 11867-1-AP (Ficolin-3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11867-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Ficolin-3 antibody (11867-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 11867-1-PBS in a different storage buffer formulation.