

For Research Use Only

Ficolin-3 Polyclonal antibody

Catalog Number: 11867-1-AP **2 Publications**



Basic Information

Catalog Number: 11867-1-AP	GenBank Accession Number: BC020731	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 200 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8547	Recommended Dilutions: WB 1:500-1:1000 IF 1:50-1:500
Source: Rabbit	Full Name: ficolin (collagen/fibrinogen domain containing) 3 (Hakata antigen)	
Isotype: IgG	Calculated MW: 33 kDa	
Immunogen Catalog Number: AG2449	Observed MW: 32 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB: human plasma, IF: HepG2 cells,
Cited Applications: IHC, WB	
Species Specificity: human	
Cited Species: human, 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 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Huafeng Song	35300115	Front Mol Biosci	WB
Chia-Chi Chen	37484802	Int J Med Sci	IHC

Storage

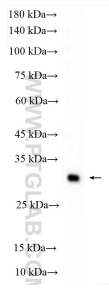
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

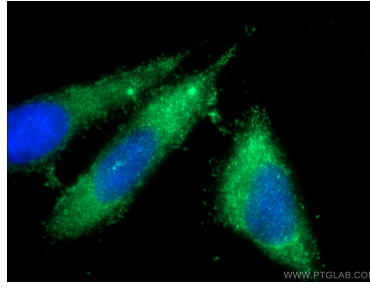
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Selected Validation Data



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.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 11867-1-AP (Ficolin-3 antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).