

C4BPA Polyclonal Antibody

Catalog NumberPA5-25861

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Flow Cytometry (Flow)	1:10-1:50
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100
Immunogen	KLH conjugated synthetic peptide between 470-499 amino acids from the C-terminal region of human C4BPA	Western Blot (WB)	1:1,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Protein A, Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

There are 3 variants of Complement component 4 binding protein (C4bp), which is composed of alpha and beta chains. The predominant form is a 570 kDa complex of 7 alpha chains and 1 beta chain. The other complexes formed are a 530 kDa homoheptamer of alpha chains or a 500 kDa complex of 6 alpha chains and 1 beta chain. C4bp regulates the activation of the classical complement pathway. It is a cofactor to the C3b/C4b inactivator, crucial to the proteolytic cleavage of C4b and important in cleavage of C3b. C4bp also regulates the C4bC2a complex (C3 convertase), accelerating its degradation by dissociating the complement fragment C2a. Both the C4bp alpha and beta chains interact with anticoagulant protein S and C4bp alpha binds protein S. C4bp is expressed in the blood serum.

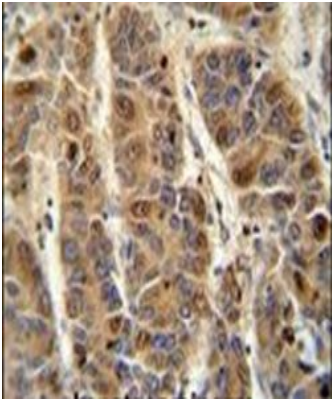
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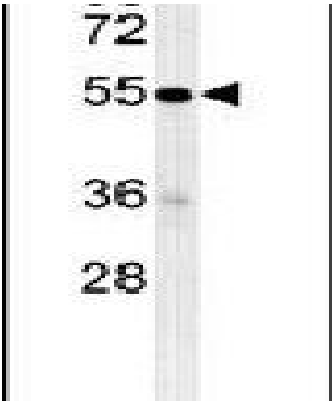
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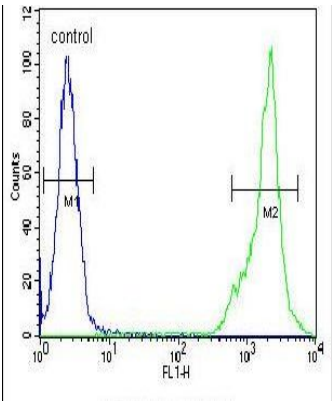
Product Images For C4BPA Polyclonal Antibody



C4BPA Antibody (PA5-25861) in IHC (P)
Immunohistochemistry analysis in formalin-fixed, paraffin-embedded human hepatocarcinoma using a C4BPA polyclonal antibody (Product # PA5-25861), followed by HRP-conjugated secondary antibody and DAB staining.



C4BPA Antibody (PA5-25861) in WB
Western blot analysis using a C4BPA polyclonal antibody (Product # PA5-25861) in WiDr cell lysates (35 µg per lane).



C4BPA Antibody (PA5-25861) in Flow
Flow cytometry analysis of WiDr cells using a C4BPA polyclonal antibody (Product # PA5-25861) (right) compared to a negative control cell (left) at a dilution of 1:10-50, followed by a FITC-conjugated goat anti-rabbit antibody

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