

KD-Validated Anti-C4BPB Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1018**Specification**

KD-Validated Anti-C4BPB Rabbit Monoclonal Antibody - Product Information

Application	WB, ICC
Primary Accession	P20851
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 28 kDa, observed, 42 kDa
Gene Name	C4BPB
Aliases	C4BPB; Complement Component 4 Binding Protein Beta; C4b-Binding Protein Beta Chain; C4BP; Complement Component 4 Binding Protein, Beta Chain; Complement Component 4-Binding Protein, Beta; C4b Binding Protein, Beta Chain
Immunogen	A synthesized peptide derived from human C4 binding protein

KD-Validated Anti-C4BPB Rabbit Monoclonal Antibody - Additional Information

Gene ID	725
Other Names	
C4b-binding protein beta chain, C4BPB	

KD-Validated Anti-C4BPB Rabbit Monoclonal Antibody - Protein Information**Name** C4BPB**Function**

Controls the classical pathway of complement activation. It binds as a cofactor to C3b/C4b inactivator (C3bINA), which then hydrolyzes the complement fragment C4b. It also accelerates the degradation of the C4bC2a complex (C3 convertase) by dissociating the complement fragment C2a. It also interacts with anticoagulant protein S and with serum amyloid P component. The beta chain binds protein S.

Cellular Location

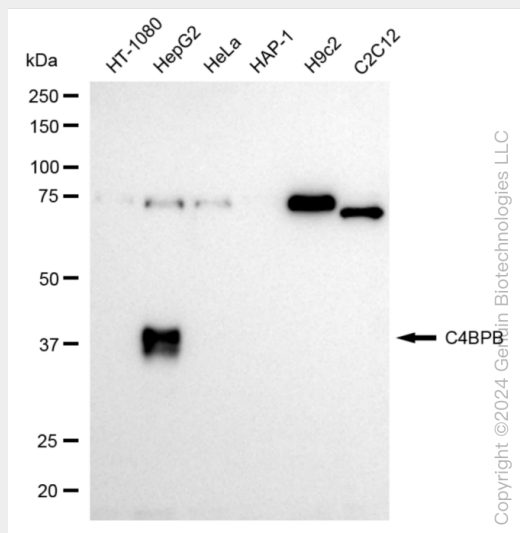
Secreted.

KD-Validated Anti-C4BPB Rabbit Monoclonal Antibody - Protocols

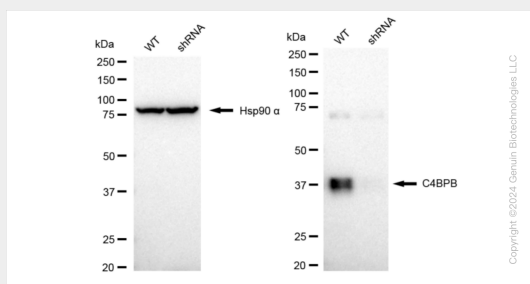
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

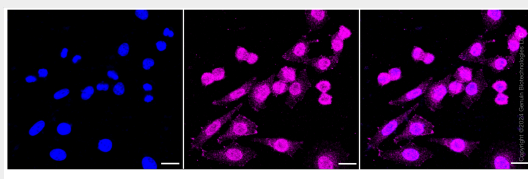
KD-Validated Anti-C4BPB Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-C4BPB antibody (Cat#AGI1018). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-C4BPB antibody (Cat#AGI1018, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-C4BPB antibody (Cat#AGI1018). C4BPB expression in wild-type (WT) and C4BPB shRNA knockdown (KD) HepG2 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-C4BPB antibody (Cat#AGI1018, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Immunocytochemical staining of HepG2 cells with C4BPB antibody (Cat#AGI1018, 1:1,000). Nuclei were stained blue with DAPI; C4BPB was stained magenta with Alexa Fluor® 647. Images

were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μm .