

## **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 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.

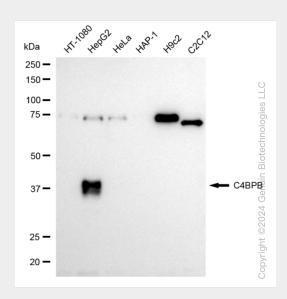
# KD-Validated Anti-C4BPB Rabbit Monoclonal Antibody - Protocols

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

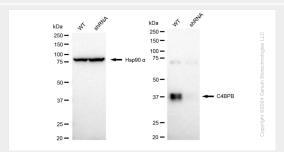


- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

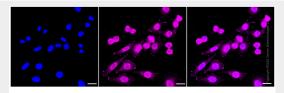
## KD-Validated Anti-C4BPB Rabbit Monoclonal Antibody - Images



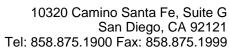
Western blotting analysis using anti-C4BPB antibody (Cat#AGI1018). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-C4BPB antibody (Cat#AGI1018, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-C4BPB antibody (Cat#AGI1018). C4BPB expression in wild-type (WT) and C4BPB shRNA knockdown (KD) HepG2 cells with 30  $\mu$ g of total cell lysates. Hsp90  $\alpha$  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.