
Product Name: KD-Validated C4BPB Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01806**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500
Molecular Weight	Calculated MW: 28.4kDa

Antigen Information

Gene Name	C4BPB C4BPB; Complement Component 4 Binding Protein Beta; C4b-Binding Protein Beta Chain;
Alternative Names	C4BP; Complement Component 4 Binding Protein, Beta Chain; Complement Component 4-Binding Protein, Beta; C4b Binding Protein, Beta Chain
Gene ID	725.0
SwissProt ID	P20851
Immunogen	A synthesized peptide derived from human C4 binding protein

Background

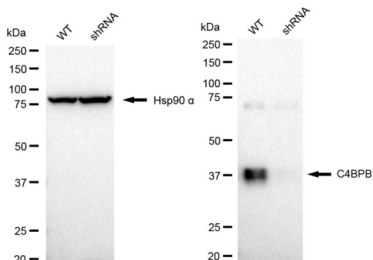
This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. A single, unique beta-chain encoded by this gene assembles with seven identical

alpha-chains into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. C4b-binding protein has a regulatory role in the coagulation system also, mediated through the beta-chain binding of protein S, a vitamin K-dependent protein that serves as a cofactor of activated protein C. The genes encoding both alpha and beta chains are located adjacent to each other on human chromosome 1 in the regulator of complement activation gene cluster. Alternative splicing gives rise to multiple transcript variants. [provided by RefSeq, Jul 2008]

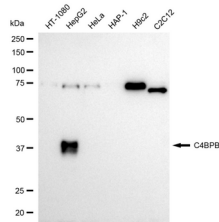
Research Area

Immunology

Image Data



Western blotting analysis using C4BPB antibody (KVA01806). 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 C4BPB antibody (KVA01806, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using C4BPB antibody (KVA01806). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with C4BPB antibody (KVA01806, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.