Product Name: **KD-Validated C1QBP Recombinant Rabbit Monoclonal Antibody**
Catalog #: **KVAb01381**
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
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 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 31.4kDa

Antigen Information

Gene Name	C1QBP
Alternative Names	C1QBP; Complement C1q Binding Protein; Hyaluronan-Binding Protein 1; GC1Q-R; SF2p32; GC1qR; HABP1; P32; Complement Component 1 Q Subcomponent-Binding Protein, Mitochondrial; Complement Component 1, Q Subcomponent Binding Protein; Splicing Factor SF2-Associated Protein; C1q Globular Domain-Binding Protein; Mitochondrial Matrix Protein P32; ASF/SF2-Associated Protein P32; Glycoprotein GC1qBP; SF2AP32; GC1QBP; P33; GC1q-R Protein; COXPD33; SF2P32; C1qBP
Gene ID	708.0
SwissProt ID	Q07021
Immunogen	A synthesized peptide derived from human GC1q R

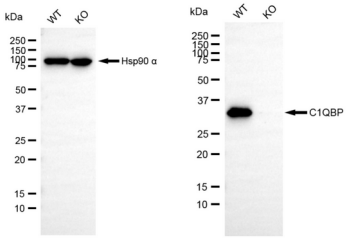
Background

The human complement subcomponent C1q associates with C1r and C1s in order to yield the first component of the serum complement system. The protein encoded by this gene is known to bind to the globular heads of C1q molecules and inhibit C1 activation. This protein has also been identified as the p32 subunit of pre-mRNA splicing factor SF2, as well as a hyaluronic acid-binding protein. [provided by RefSeq, Jul 2008]

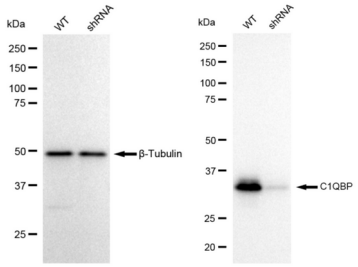
Research Area

Immunology,Microbiology

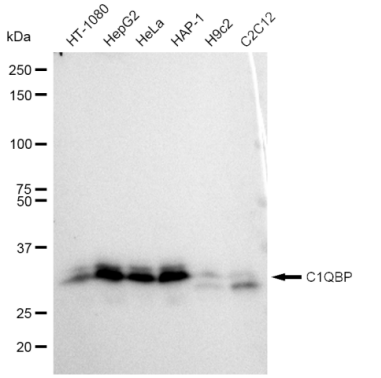
Image Data



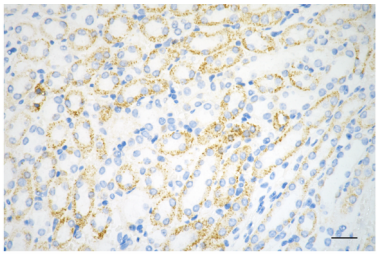
Western blotting analysis using C1QBP antibody (KVAb01381). C1QBP expression in wild type (WT) and C1QBP knockout (KO) 293T cells with 30 µg of Total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with C1QBP antibody (KVAb01381, 1:5,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



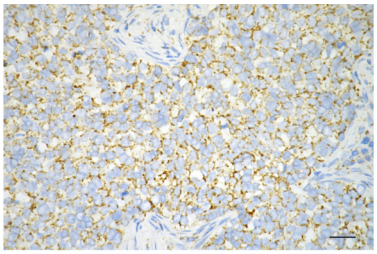
Western blotting analysis using C1QBP antibody (KVAb01381). C1QBP expression in wild type (WT) and C1QBP shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with C1QBP antibody (KVAb01381, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



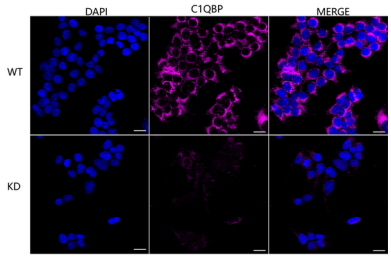
Western blotting analysis using C1QBP antibody (KVAb01381). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with C1QBP antibody (KVAb01381, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



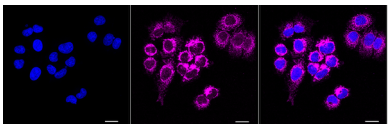
Immunohistochemistry was performed on paraffin-embedded mouse kidney using C1QBP antibody (KVAb01381, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



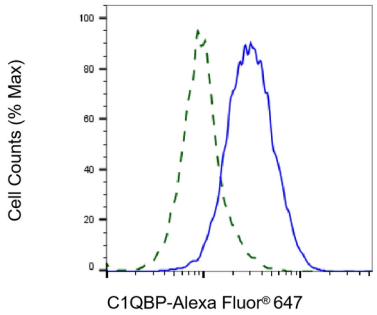
Immunohistochemistry was performed on paraffin-embedded mouse brain using C1QBP antibody (KVAb01381, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μm.



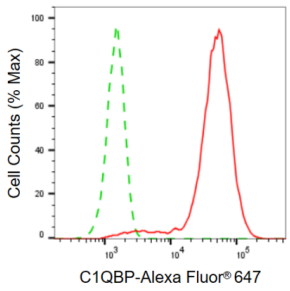
Immunocytochemical staining of HeLa cells using C1QBP antibody (KVAb01381, 1:1,000), Top panel: wild-type (WT); Bottom panal: C1QBP shRNA knockdown (KD). Nuclei were stained blue with DAPI; C1QBP was stained magenta with Alexa Fluor® 647. Scale bar, 20 μm. Permeabilization: Triton.



Immunocytochemical staining of HepG2 cells with C1QBP antibody (KVAb01381, 1:1,000). Nuclei were stained blue with DAPI; C1QBP 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.



Validation of C1QBP knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with C1QBP antibody (KVAb01381, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of C1QBP expression in HepG2 cells using C1QBP antibody (KVAb01381, 1:2,000). Green, isotype control; red, C1QBP.