Product datasheet

Anti-Factor H/CFH Antibody

Catalog Number: *A00562-2*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-Factor H/CFH Antibody
Gene Name	CFH
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB, IHC, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived mouse Factor H/Cfh recombinant protein (Position: N136-T447).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	150,180 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC):1:50-400 Flow Cytometry (Fixed): 1:50-200

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Factor H is a member of the regulators of complement activation family and is a complement control protein. This gene is a member of the Regulator of Complement Activation (RCA) gene cluster and encodes a protein with twenty short consensus repeat (SCR) domains. This protein is secreted into the bloodstream and has an essential role in the regulation of complement activation, restricting this innate defense mechanism to microbial infections. Mutations in this gene have been associated with hemolytic-uremic syndrome (HUS) and chronic hypocomplementemic nephropathy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Reference

Anti-Factor H/CFH Antibody 被引用在1文献中。

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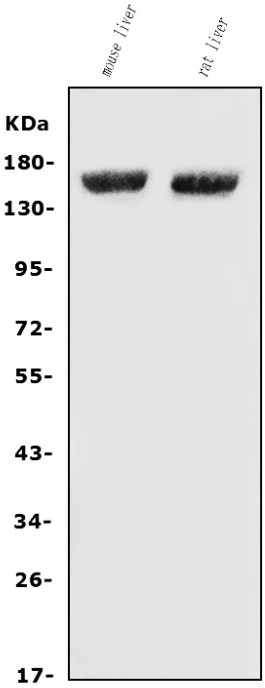
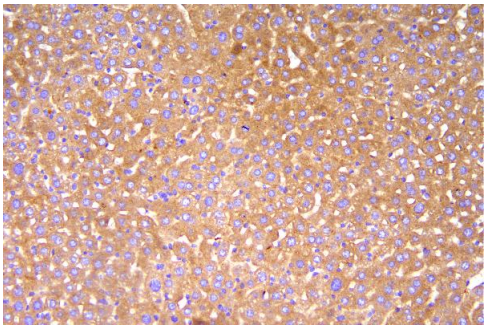
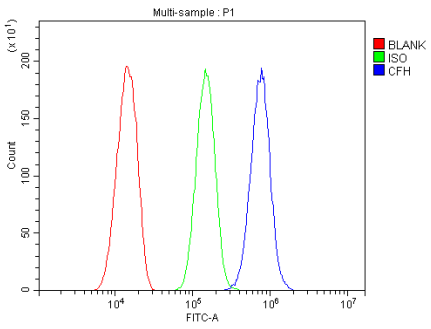
Selected Validation Data



Western blot analysis of anti-Factor H/Cfh antibody (A00562-2).The sample well of each lane was loaded with 30ug of sample under reducing conditions.
Lane 1: mouse liver tissue lysates,
Lane 2: rat liver tissue lysates.
AUse rabbit anti-Factor H/Cfh 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for Factor H/Cfh at approximately 150KD. The expected band size for Factor H/Cfh is at 139KD.



IHC analysis of Factor H/CFH using anti-Factor H/CFH antibody (A00562-2). Factor H/CFH was detected in a paraffin-embedded section of mouse liver tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-Factor H/CFH Antibody (A00562-2) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



Flow Cytometry analysis of Hepa1-6 cells using anti-Factor H/CFH antibody (A00562-2).
Overlay histogram showing Hepa1-6 cells stained with A00562-2 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Factor H/CFH Antibody (A00562-2) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used

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as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.