ARG63803
anti-Complement factor H antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Complement factor H
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Specificity	This antibody is expected to recognize isoform a (NP_000177.2) only.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Complement factor H
Species	Human
Immunogen	C-HLVPDRKKDQYK
Conjugation	Un-conjugated
Alternate Names	Complement factor H; ARMD4; HF1; HF2; AMBP1; ARMS1; FHL1; HUS; FH; AHUS1; H factor 1; HF; CFHL3

Application Instructions

Application table

Application	Dilution
FACS	10 µg/ml
IHC-P	5 µg/ml
WB	0.03 - 0.3 µg/ml

Application Note: WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control	Human kidney and K562
Observed Size	~ 140 kDa

Properties

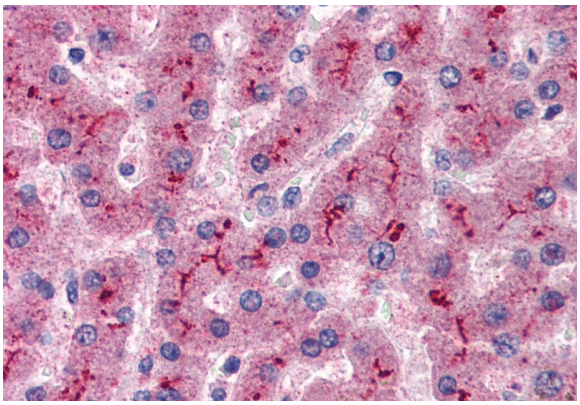
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

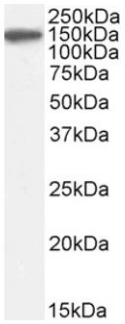
Database links	GeneID: 3075 Human Swiss-port # P08603 Human
Background	This gene is a member of the Regulator of Complement Activation (RCA) gene cluster and encodes a protein with twenty short consensus repeat (SCR) domains. This protein is secreted into the bloodstream and has an essential role in 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. [provided by RefSeq, Oct 2011]
Research Area	Immune System antibody
Calculated Mw	139 kDa

Images



ARG63803 anti-Complement factor H antibody IHC-P image

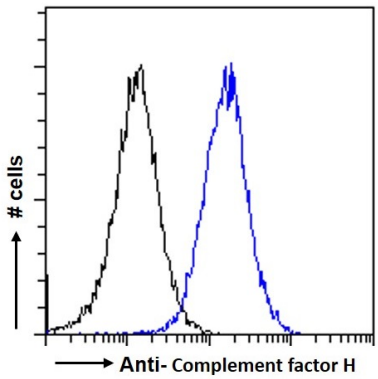
Immunohistochemistry: Paraffin-embedded Human liver tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63803 anti-Complement factor H antibody at 5 µg/ml dilution followed by AP-staining.



Human kidney

ARG63803 anti-Complement factor H antibody WB image

Western blot: 35 µg of Human kidney lysate (in RIPA buffer) stained with ARG63803 anti-Complement factor H antibody at 0.03 µg/ml dilution and incubated at RT for 1 hour.



ARG63803 anti-Complement factor H antibody WB image

Flow Cytometry: Paraformaldehyde-fixed HepG2 cells permeabilized with 0.5% Triton. Cells were stained with ARG63803 anti-Complement factor H antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa Fluor® 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line), followed by incubation with Alexa Fluor® 488 labelled secondary antibody.

K562

ARG63803 anti-Complement factor H antibody WB image

Western blot: 35 µg of K562 cell lysate (in RIPA buffer) stained with ARG63803 anti-Complement factor H antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.