



# Rabbit Anti-Human CFH Polyclonal antibody (DPABH-02450)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Immunogen</b>          | Complement factor H fusion protein, sequence:<br>LPPRRNTEILTGSWSDQTYPEGTQAIYKCRPGYRSLGNVIMVCRKGEWVALNPLRKQKR<br>PCGHPGDTFPFGTFTLTGGNVFEYGVKAVYTCNEGYQLLGEINYRECDTDGWTNDIPICEV<br>VKCLPVTAPENGKIVSSAMEPDREYHFGQAVRFVCNSGYKIEGDEEMHCSDDGFWWSKEKP<br>KCVEISCKSPDVINGSPISQKIIYKENERFQYKCNMGYEYSERGDAVCTESGWRPLPSCE<br>EKSCDNPIYPNGDYSPLRIKHRTGDEITYQCRNGFYPATRGNTAKCTSTGWIPAPRCTLK<br>PCDYDPDIKHGGLYHENMRRPYFP (24-346 aa encoded by BC037285) |
| <b>Isotype</b>            | IgG  |
| <b>Source/Host</b>        | Rabbit   |
| <b>Species Reactivity</b> | Human  |
| <b>Purification</b>       | Antigen affinity purification  |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | WB, IP, ELISA  |
| <b>Positive Control</b>   | human blood tissue   |
| <b>Format</b>             | Liquid   |
| <b>Size</b>               | 50 µl, 100 µl  |
| <b>Buffer</b>             | PBS with 0.02% sodium azide and 50% glycerol pH 7.3.   |
| <b>Preservative</b>       | 0.02% Sodium Azide   |
| <b>Storage</b>            | Store at -20°C. Aliquoting is unnecessary for -20°C storage.   |

# BACKGROUND

**Introduction** 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.

**Keywords** CFH; complement factor H; FH; HF; HF1; HF2; HUS; FHL1; AHUS1; AMBP1; ARMD4; ARMS1; CFHL3; beta-1H; factor H; factor H-like 1; beta-1-H-globulin; H factor 1 (complement); H factor 2 (complement); adrenomedullin binding protein; complement factor H, isoform b; age-related maculopathy susceptibility 1;

# GENE INFORMATION

**Entrez Gene ID** [3075](#)

**UniProt ID** [A0A024R962](#)