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Datasheet for ABIN951646

## anti-Complement Factor H antibody (Middle Region)

### 3 Images

#### Overview

Quantity:	0.4 mL
Target:	Complement Factor H (CFH)
Binding Specificity:	AA 751-780, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Complement Factor H antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

#### Product Details

Immunogen:	KLH conjugated synthetic peptide between 751-780 amino acids from the Central region of human CFH
Isotype:	Ig Fraction
Specificity:	This antibody reacts to CFH.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

#### Target Details

Target:	Complement Factor H (CFH)
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## Target Details

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Abstract:	<a href="#">CFH Products</a>
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. Synonyms: CFH, H factor 1, HF, HF1, HF2
Molecular Weight:	139096 Da
Gene ID:	3075
NCBI Accession:	<a href="#">NP_000177</a>
Pathways:	<a href="#">Complement System</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a>

## Application Details

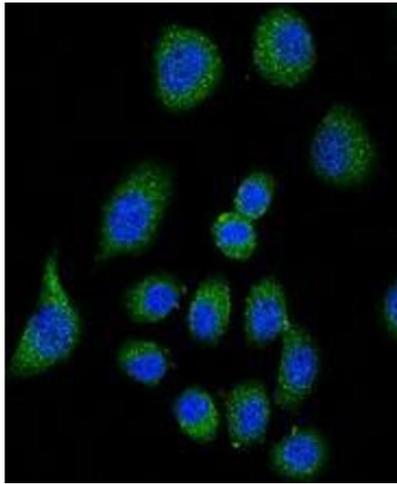
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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

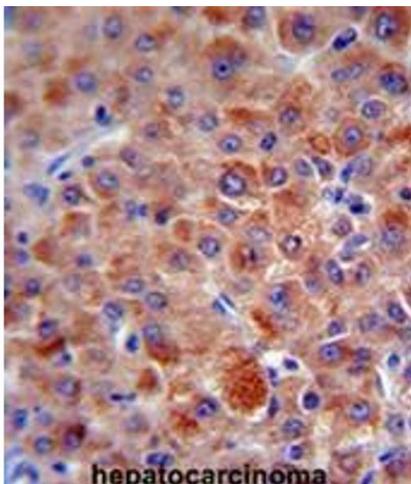
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Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



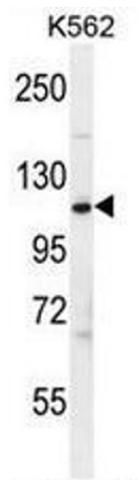
### Immunofluorescence

**Image 1.** Confocal immunofluorescent analysis of CFH Antibody (Center) with A549 cell followed by Alexa Fluor® 489-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** CFH antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CFH antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



### Western Blotting

**Image 3.** CFH Antibody (Center) western blot analysis in K562 cell line lysates (35µg/lane). This demonstrates the CFH antibody detected the CFH protein (arrow).