

Product datasheet

Anti-C9 antibody ab118902

[4 Images](#)

Overview

Product name	Anti-C9 antibody
Description	Rabbit polyclonal to C9
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant Human C9 protein.
Positive control	Human Small Intestine, Vessels Human Placenta methanol-fixed HepG2 Raji cell lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	<p>pH: 7.00</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: 10% Glycerol (glycerin, glycerine), Tris glycine</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

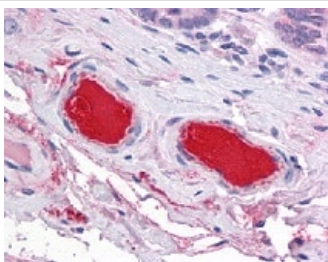
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab118902 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 62 kDa.
IHC-P		Use a concentration of 10 µg/ml.
ICC/IF		1/100 - 1/200.

Target

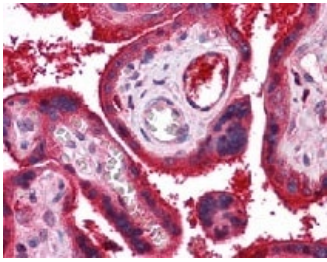
Function	Constituent of the membrane attack complex (MAC) that plays a key role in the innate and adaptive immune response by forming pores in the plasma membrane of target cells. C9 is the pore-forming subunit of the MAC.
Tissue specificity	Plasma.
Involvement in disease	Defects in C9 are a cause of complement component 9 deficiency (C9D) [MIM:613825]. A rare defect of the complement classical pathway associated with susceptibility to severe recurrent infections, predominantly by <i>Neisseria gonorrhoeae</i> or <i>Neisseria meningitidis</i> .
Sequence similarities	Belongs to the complement C6/C7/C8/C9 family. Contains 1 EGF-like domain. Contains 1 LDL-receptor class A domain. Contains 1 MACPF domain. Contains 1 TSP type-1 domain.
Post-translational modifications	Thrombin cleaves factor C9 to produce C9a and C9b. Phosphorylation sites are present in the extracellular medium.
Cellular localization	Secreted. Cell membrane. Secreted as soluble monomer. Oligomerizes at target membranes, forming a pre-pore. A conformation change then leads to the formation of a 100 Angstrom diameter pore.

Images



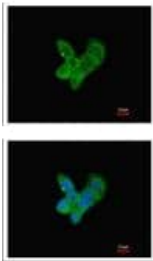
Immunohistochemistry analysis (Formalin-Fixed, Paraffin-Embedded) of Human Small Intestine, Vessels stained with ab118902 at 10 µg/ml

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C9 antibody (ab118902)



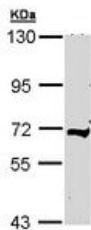
Immunohistochemistry analysis (Formalin-Fixed, Paraffin-Embedded) of Human Placenta stained with ab118902 at 10 µg/ml

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C9 antibody (ab118902)



Immunofluorescence analysis of methanol-fixed HepG2, using ab118902 at 1:200 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-C9 antibody (ab118902)



Anti-C9 antibody (ab118902) at 1/500 dilution + Raji cell lysate at 30 µg

Predicted band size: 62 kDa

Western blot - Anti-C9 antibody (ab118902)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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