

**C9 Antibody**  
Rabbit mAb  
Catalog # AP90228

## Specification

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### C9 Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	<a href="#">P02748</a>
Clonality	Monoclonal

**Other Names**  
Complement component C9; Comple Complement component C9bment component C9a;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	63173 Da

### C9 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human C9
Description	C9 is synthesised in the liver and monocytes, and is a plasma protein consisting of a single polypeptide chain of molecular weight 71kDa. Normal plasma concentration is 60mg/L. C9 forms part of the membrane attack complex (MAC) the cytolytic terminal complex of the complement pathways. C9 binds to the membrane associated C5b-8, binding of C9 to C5b-8 leads to the circular polymerisation of 12-18 C9 molecules. This is the basis of the hydrophilic, protein-walled, trans-membrane channel formed by the MAC, which leads to cell lysis and destruction.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### C9 Antibody - Protein Information

**Name** C9

#### 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 (PubMed:<a

href="http://www.uniprot.org/citations/26841934" target="\_blank">26841934</a>, PubMed:<a href="http://www.uniprot.org/citations/9212048" target="\_blank">9212048</a>, PubMed:<a href="http://www.uniprot.org/citations/9634479" target="\_blank">9634479</a>). C9 is the pore-forming subunit of the MAC (PubMed:<a href="http://www.uniprot.org/citations/26841934" target="\_blank">26841934</a>, PubMed:<a href="http://www.uniprot.org/citations/30111885" target="\_blank">30111885</a>, PubMed:<a href="http://www.uniprot.org/citations/4055801" target="\_blank">4055801</a>).

### Cellular Location

Secreted. Target cell membrane; Multi-pass membrane protein. Note=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

### Tissue Location

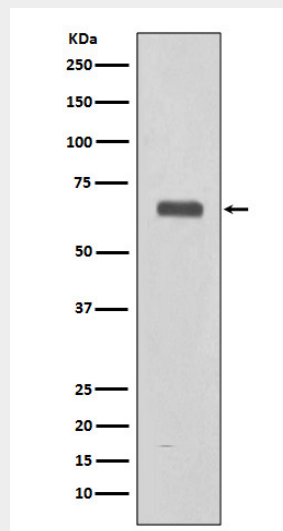
Plasma (at protein level).

## C9 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## C9 Antibody - Images



Western blot analysis of C9 expression in Human fetal liver lysate.