

**AP21155PU-N****Polyclonal Antibody to Complement C9 - Aff - Purified****Alternate names:**

Complement 9, Complement component C9

**Quantity:**

0.1 mg

**Concentration:**

1.0 mg/ml

**Background:**

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, proteinwalled, trans-membrane channel formed by the MAC, which leads to cell lysis and destruction.

**Uniprot ID:**[P02748](#)**NCBI:**[NP\\_001728](#)**GeneID:**[735](#)**Host:**

Rabbit

**Format:****State:** Liquid purified Ig fraction**Purification:** Affinity chromatography (> 95% (by SDS-PAGE)**Buffer System:** Phosphate buffered saline (PBS), pH 7.2.**Preservatives:** 0.05% sodium azide**Applications:****Western blot:** 1/500 - 1/1000.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Molecular Weight:**

~ 70 kDa

**Specificity:**This antibody detects endogenous levels of C9 protein.  
(region surrounding His216)**Species Reactivity:****Tested:** Human.**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**Pictures:**

**Western blot (WB)** analysis of C9 antibody (Cat.-No.: AP21155PU-N) in extracts from COLO cells.

