

Polyclonal Antibody to Complement Component 9 (C9)

Complement Component 9

Catalog # AP74608

Product Information

Application	WB
Primary Accession	Q62930
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62281

Additional Information

Gene ID	117512
Other Names	Complement component C9, C9
Target/Specificity	Rattus norvegicus (Rat)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL; Immunohistochemistry: 5-20 μ g/mL; Immunocytochemistry: 5-20 μ g/mL; Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	C9
Function	Pore-forming component of the membrane attack complex (MAC), a multiprotein complex activated by the complement cascade, which inserts into a target cell membrane and forms a pore, leading to target cell membrane rupture and cell lysis (PubMed: 9212048). The MAC is initiated by proteolytic cleavage of C5 into complement C5b in response to the classical, alternative, lectin and GZMK complement pathways (By similarity). The complement pathways consist in a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system (By similarity). Constitutes the pore-forming subunit of the MAC complex: during MAC assembly, C9 associates with the C5b8 intermediate complex, and polymerizes to complete the pore (By similarity).
Cellular Location	Secreted. Target cell membrane; Multi-pass membrane protein {ECO:0000250 UniProtKB:P02748}. 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 {ECO:0000250|UniProtKB:P02748}

Tissue Location

Detected in blood serum (at protein level).

Images

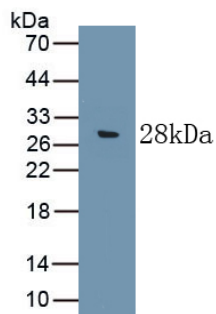


Figure. Western Blot; Sample: Recombinant C9, Rat.

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