

Anti-Complement C9 Picoband Antibody
Catalog # ABO12913**Specification****Anti-Complement C9 Picoband Antibody - Product Information**

Application	WB
Primary Accession	P02748
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Complement C9 detection. Tested with WB, Direct ELISA in Human;Mouse.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Complement C9 Picoband Antibody - Additional Information

Gene ID 735

Other Names

Complement component C9, Complement component C9a, Complement component C9b, C9

Calculated MW

63173 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml
Direct ELISA, 0.1-0.5 µg/ml

Subcellular Localization

Secreted. Cell membrane; Multi-pass membrane protein. 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 Specificity

Plasma.

Contents

Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

E. coli-derived human Complement C9 recombinant protein (Position: K289-N515).

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C; for one year. After r°Constitution, at 4°C; for one month. It°Can also be aliquotted and stored frozen at -20°C; for a longer time. Avoid repeated freezing and thawing.

Anti-Complement C9 Picoband 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:26841934, PubMed:9212048, PubMed:9634479). C9 is the pore-forming subunit of the MAC (PubMed:26841934, PubMed:30111885, PubMed:4055801).

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

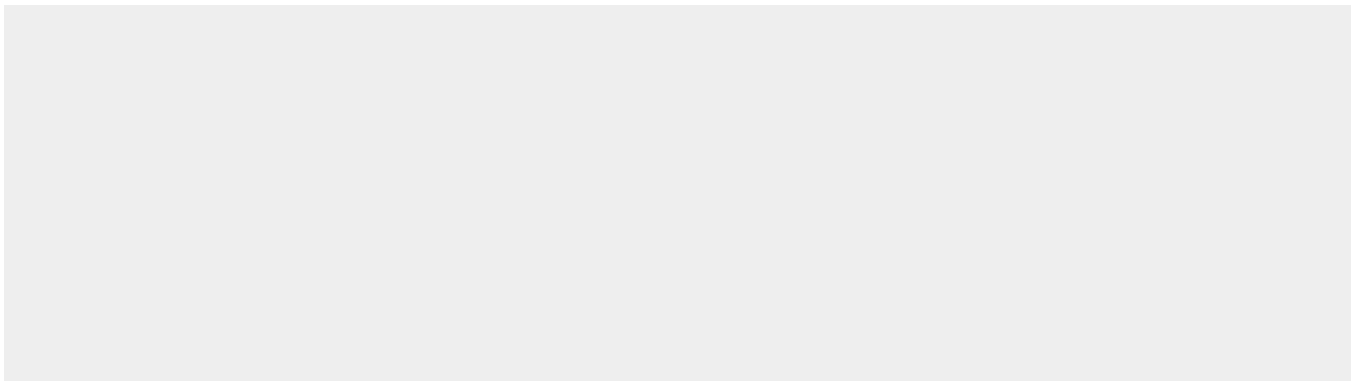
Tissue Location

Plasma (at protein level).

Anti-Complement C9 Picoband 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](#)

Anti-Complement C9 Picoband Antibody - Images

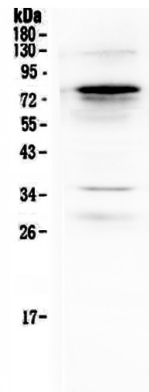


Figure 1. Western blot analysis of Complement C9 using anti-Complement C9 antibody (ABO12913).

Anti-Complement C9 Picoband Antibody - Background

Complement component 9 is a protein involved in the complement system. It participates in the formation of the Membrane Attack Complex (MAC). The MAC assembles on bacterial membranes to form a pore, permitting disruption of bacterial membrane organization. Mutations in this gene cause component C9 deficiency. And this gene is mapped to 5p13.1.