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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 NaN₃.

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 Cytomety
- Cell Culture

Anti-Complement C9 Picoband Antibody - Images

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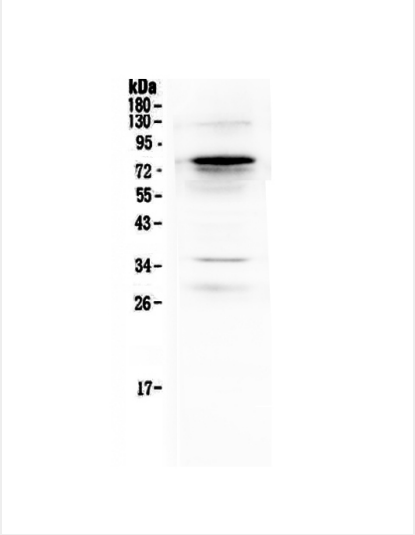

Figure 1. Western blot analysis of Complement C9 using anti-Complement C9 antibody (ABO12913).

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.