10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

C9 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13782c

Specification

C9 Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P02748
Other Accession	NP_001728.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**191-220**

C9 Antibody (Center) - Additional Information

Gene ID 735

Other Names
Complement component C9, Complement component C9a, Complement component C9b, C9

Target/Specificity
This C9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 191-220 amino acids from the Central region of human C9.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
C9 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

C9 Antibody (Center) - 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

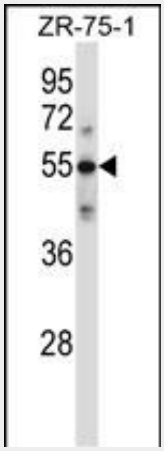
Tissue Location
Plasma (at protein level).

C9 Antibody (Center) - 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

C9 Antibody (Center) - Images



C9 Antibody (Center) (Cat. #AP13782c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the C9 antibody detected the C9 protein (arrow).

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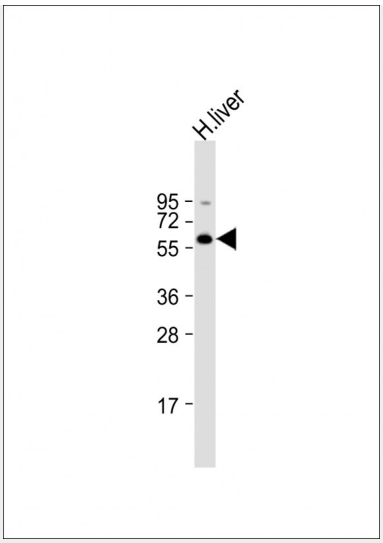
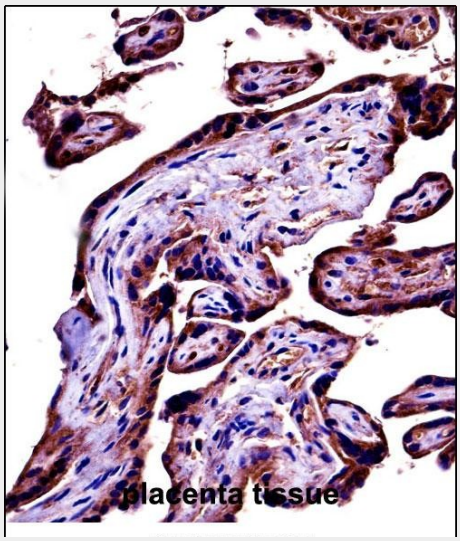


Anti-C9 Antibody (Center) at 1:1000 dilution + human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



C9 Antibody (Center) (AP13782c)immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of C9 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

C9 Antibody (Center) - Background

This gene encodes the final component of 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. [provided by RefSeq].

C9 Antibody (Center) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Han, S., et al. Hum. Immunol. 71(7):727-730(2010)
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Bunkenborg, J., et al. Proteomics 4(2):454-465(2004)
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