

For Research Use Only

# C9 Polyclonal antibody

Catalog Number: 25891-1-AP



## Basic Information

<b>Catalog Number:</b> 25891-1-AP	<b>GenBank Accession Number:</b> BC020721	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 735	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P02748	
<b>Isotype:</b> IgG	<b>Full Name:</b> complement component 9	
<b>Immunogen Catalog Number:</b> AG23137	<b>Calculated MW:</b> 559 aa, 63 kDa	
	<b>Observed MW:</b> 64 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human plasma,
<b>Species Specificity:</b> human	

## Background Information

The final consequence of complement activation is the formation of the membrane attack complex (MAC), a multiprotein assembly that perforates cell membranes, forming transmembrane channels. The MAC plays a critical role in complement-mediated hemolysis and inflammasome activation (PMID: 27444648). Complement component 9 (C9) is 1 of 5 late-acting proteins of complement that participate in the assembly and function of the MAC. C9 may be cleaved by thrombin to generate fragments C9a (25 kDa) and C9b (37 kDa) (PMID: 7523406).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

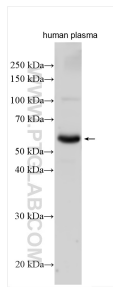
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## Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 25891-1-AP (C9 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.