SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Complement component C9b antibody

Catalog Number: SL10645R

FOR RESEARCH USE ONLY

[DATASHEET]

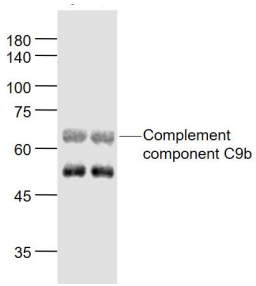
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Complement component C9b
Immunogen:	KLH conjugated synthetic peptide derived from human Complement component C9b: 221-320/559
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human
Predicted MW.:	32/57kDa
Subcellular Location:	The cell membrane Secretory protein
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, Feb 2009] **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. C9 is the pore-forming subunit of the MAC. **Subcellular Location:** Secreted. Cell membrane. 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. **Post-translational modifications:** Thrombin cleaves factor C9 to produce

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	C9a and C9b. Phosphorylation sites are present in the extracelllular medium. DISEASE: Defects in C9 are a cause of complement component 9 deficiency (C9D) [MIM:613825]. A rare defect of the complement classical pathway associated with susceptibility to severe recurrent infections, predominantly by Neisseria gonorrhoeae or Neisseria meningitidis. **Similarity:** Belongs to the complement C6/C7/C8/C9 family. Contains 1 EGF-like domain. Contains 1 LDL-receptor class A domain. Contains 1 MACPF domain. Contains 1 TSP type-1 domain. **Database links:** **Entrez Gene:** 735 Human Omim: 120940 Human **SwissProt:** P02748 Human **Unigene:** 654443 Human

[VALIDATION IMAGES]



Sample:
Lane 1: Serum (Human) at 40 ug
Lane 2: Serum (Human) at 40 ug
Primary: Anti-Complement component C9b (SL10645R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 66 kD
Observed band size: 66 kD

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