SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-C7 antibody

Catalog Number: SL15256R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	C7
Immunogen:	KLH conjugated synthetic peptide derived from human C7 : 1-100/843
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:	ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Pig, Cow, Sheep)
Predicted MW.:	91kDa
Subcellular Location:	Secretory protein
Background:	C7 is a component of the complement system. It participates in the formation of Membrane Attack Complex (MAC). People with C7 deficiency are prone to bacterial infection. [provided by RefSeq, Jul 2008] **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. C7 serves as a membrane anchor. **Subunit:** Monomer or dimer; as a C5b-7 complex it can also form multimeric rosettes. MAC assembly is initiated by protelytic cleavage of C5 into C5a and C5b. C5b binds sequentially C6, C7, C8 and multiple copies of the pore-forming subunit C9. **Subcellular Location:** Secreted. **Post-translational modifications:** C7 has 28 disulfide bridges. O- and C-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans. DISEASE: Defects in C7 are a cause of complement component 7 deficiency (C7D) [MIM:610102]. A rare defect of the complement classical pathway

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	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 2 Sushi (CCP/SCR) domains. Contains 2 TSP type-1 domains. **Database links:** **Entrez Gene:** 730 Human **Entrez Gene:** 109828 Mouse **Entrez Gene:** 117517 Rat Omim: 217070 Human **SwissProt:** P10643 Human **Unigene:** 78065 Human **Unigene:** 208034 Mouse **Unigene:** 232711 Rat

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