SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-C1r antibody

Catalog Number: SL15086R

FOR RESEARCH USE ONLY

[DATASHEET]

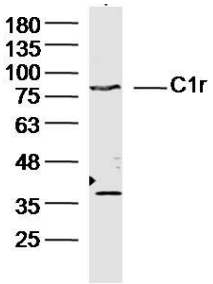
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	C1r
Immunogen:	KLH conjugated synthetic peptide derived from human Complement C1r subcomponent heavy chain: 231-430/705
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep)
Predicted MW.:	78kDa
Subcellular Location:	Secretory protein
Background:	The complement component proteins, C1, C3, C4, and C5, are potent anaphylatoxins that are released during complement activation. Binding of these proteins to their respective G protein-coupled receptors induces proinflammatory events, such as cellular degranulation, smooth muscle contraction, arachidonic acid metabolism, cytokine release, leukocyte activation, and cellular chemotaxis. C1q, together with proenzymes C1r and C1s, yield C1, the first component of the classical pathways of the serum complement system. C1 consists of a calcium dependent trimolecular complex of C1r, C1s and C1q in a 2:2:1 ratio. C1r is a dimer formed of two identical chains that are activated by cleavage into two chains, A and B. **Function:** C1r B chain is a serine protease that combines with C1q and C1s to form C1, the first component of the classical pathway of the complement system. **Subunit:** C1 is a calcium-dependent trimolecular complex of C1q, C1r and

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	C1s in the molar ration of 1:2:2. C1r is a dimer of identical chains, each of which is activated by cleavage into two chains, A and B, connected by disulfide bonds. **Post-translational modifications:** The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains. **Similarity:** Belongs to the peptidase S1 family. Contains 2 CUB domains. Contains 1 EGF-like domain. Contains 1 peptidase S1 domain. Contains 2 Sushi (CCP/SCR) domains. **Database links:** **Entrez Gene:** 715 Human Omim: 613785 Human **SwissProt:** P00736 Human **Unigene:** 524224 Human

[VALIDATION IMAGES]



Sample: Hela Cell (Human) Lysate at 40 ug
Primary: Anti-C1r (SL15086R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 78 kD
Observed band size: 78 kD

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