SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Crry antibody

Catalog Number: SL14070R

FOR RESEARCH USE ONLY

[DATASHEET]

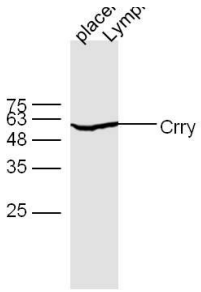
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Crry
Immunogen:	KLH conjugated synthetic peptide derived from human Crry: 51-150/559 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped 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:	Mouse(predicted:Rat)
Predicted MW.:	58kDa
Subcellular Location:	The cell membrane
Background:	Human membrane cofactor protein (MCP), also designated CD46, is a widely distributed complement regulator. In mouse, expression of MCP is largely restricted to testis, while a related widely expressed protein (Crry) appears to perform the regulatory activity of MCP. Crry (for murine complement receptor-related gene Y), protects the body from damage inflicted by inflammation and modulates renal interstitial disease induced by proteinuria. A functional ortholog of human decay-accelerating factor (DAF, CD55) and membrane cofactor protein (MCP, CD46), Crry protects cells from homologous complement by inhibiting the complement proteins C3 and C4 convertases from marking foreign cells for destruction. Sequence analysis suggests that Crry may be the mouse genetic homolog of the CD35 antigen encoded by the human gene CR1. Manipulation of Crry may play a role in treating central nervous conditions such as traumatic brain injury or stroke. Deletion of the gene encoding Crry may play a role in miscarriages.

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

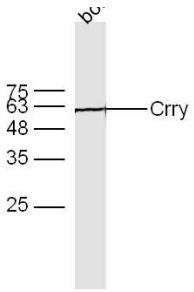
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	Function: Acts as a cofactor for complement factor I, a serine protease which protects autologous cells against complement-mediated injury by cleaving C3b and C4b deposited on host tissue. Also acts as a decay-accelerating factor, preventing the formation of C4b2a and C3bBb, the amplification convertases of the complement cascade. Seems to act as a costimulatory factor for T-cells. May play a crucial role in early embryonic development by maintaining fetomaternal tolerance. **Subunit:** Interacts with C3b. **Subcellular Location:** Membrane. **Similarity:** Contains 7 Sushi (CCP/SCR) domains. **Database links:** **Entrez Gene:** 54243 Rat **SwissProt:** Q63135 Rat **Unigene:** 5825 Rat

[VALIDATION IMAGES]



Protein:
placenta(mouse) lyates at 40ug;
lymph node(mouse) lyates at 40ug;
Primary: Rabbit Anti-Crry (SL14070R) at 1:300;
Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG(H+L) at 1: 10000;
Predicted band size:58 kD
Observed band size:58 kD



Protein: bone(mouse) lyates at 40ug;
Primary: Rabbit Anti-Crry (SL14070R) at 1:300;
Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG(H+L) at 1: 10000;
Predicted band size:58 kD
Observed band size:58 kD

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