

Crry Rabbit pAb

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Catalog # AP55405

Product Information

Application	WB
Primary Accession	Q64735
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53763
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse Crry
Epitope Specificity	51-150/559
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	12946
Other Names	Complement component receptor 1-like protein, Complement regulatory protein Crry, Protein p65, Cr1l, Crry, Cry
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

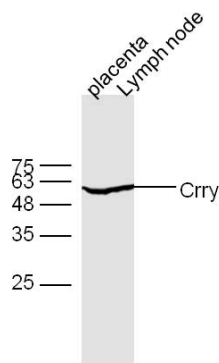
Protein Information

Name	Cr1l
Synonyms	Crry, Cry
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. Plays a crucial role in early embryonic development by maintaining fetomaternal tolerance. Also acts as a costimulatory factor for T-cells which favors IL-4 secretion.
Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Ubiquitously expressed (at protein level).

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Images



Protein:

placenta(mouse) lyates at 40ug;

lymph node(mouse) lyates at 40ug;

Primary: Rabbit Anti-Crry (AP55405) 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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