

## Anti-Crry Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Rat)
Molecular Weight:	Theoretical: 58 kDa. Actual: 58 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	1. Protein: placenta (mouse) lyates at 40 µg; lymph node (mouse) lyates at 40 µg; Primary: Rabbit Anti-Crry (TMAB-04700) 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
	2. Protein: bone (mouse) lyates at 40 µg; Primary: Rabbit Anti-Crry (TMAB-04700) 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
Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: mouse Crry
Antigen Species:	Mouse
Gene ID:	54243
Uniprot ID:	Q64735

### Research 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

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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

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481