

Anti-C1r Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep)
Molecular Weight:	Theoretical: 78 kDa. Actual: 78 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: Human MOLT4 cell lysates Lane 2: Human HeLa cell lysates
Verified Activity:	Primary: Anti-C1r (TMAB-03366) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 78 kDa Observed band size: 78 kDa
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: human Complement C1r subcomponent heavy chain
Antigen Species:	Human
Gene ID:	715
Uniprot ID:	P00736

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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