

Anti-Factor I heavy chain Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat)
Molecular Weight:	Theoretical: 35/63 kDa. Actual: 63 kDa.
Purification:	Protein A purified

Applications

Protein:	Hela (Human) Cell lyates at 30 µg; HepG2 (Human) Cell lyates at 30 µg;
Verified Activity:	Primary: Rabbit Anti-Factor I heavy chain (TMAB-05787) at 1:300; Secondary: 800CW Conjugated GoAT (polyclonal) Anti-Rabbit IgG (H+L) at 1: 10000; Predicted band size:39/63 kD Observed band size: 63 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: human Complement factor I heavy chain
Antigen Species:	Human
Gene ID:	3426
Uniprot ID:	P05156

Research Background

The complement pathway is an important host defense system that contributes to both innate and acquired immunity. There are three pathways of complement activation: the classical pathway, lectin pathway and alternative pathway. Complement protein Factor I is a key serine protease that modulates the complement cascade by regulating the levels of C3 convertases. It circulates in plasma as a heavily N-glycosylated heterodimer made up of two disulfide linked chains, each carrying three N-linked oligosaccharide chains that may have both structural and functional roles in the interactions with the natural substrate and the cofactor during catalysis. Factor I is a serine protease with a high degree of specificity for C3b and C4b. It requires protein cofactors for cleavage of these complement proteins; Factor H, CR1 or MCP are required for C3b cleavage, and C4bp or CR1 are required for C4b cleavage.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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