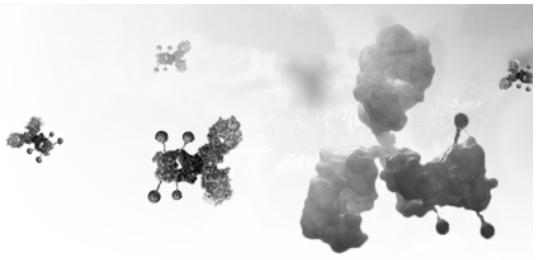

Anti-MASP1 polyclonal antibody (CPBT-39063RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human MASP1.
Antigen Description	This gene encodes a serine protease that functions as a component of the lectin pathway of complement activation. The complement pathway plays an essential role in the innate and adaptive immune response. The encoded protein is synthesized as a zymogen and is activated when it complexes with the pathogen recognition molecules of lectin pathway, the mannose-binding lectin and the ficolins. This protein is not directly involved in complement activation but may play a role as an amplifier of complement activation by cleaving complement C2 or by activating another complement serine protease, MASP-2. The encoded protein is also able to cleave fibrinogen and factor XIII and may may be involved in coagulation. A splice variant of this gene which lacks the serine protease domain functions as an inhibitor of the complement pathway. Alternate splicing results in multiple transcript variants.
Immunogen	Synthetic peptide derived from human MASP1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, ELISA
Cellular Localization	Secreted
Format	Liquid

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Size	100 µg
Buffer	Preservative: 0.02% Sodium AzideConstituents: 50% Glycerol, PBS (without Mg2+ and Ca2+), 150mM Sodium chloride, pH 7.4
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Stable for 12 months at -20°C

GENE INFORMATION

Gene Name	MASP1 mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor) [Homo sapiens]
Official Symbol	MASP1
Synonyms	MASP1; mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor); CRARF,mannan binding lectin serine protease 1 (C4/C2 activating component of Ra reactive factor) , PRSS5; mannan-binding lectin serine protease 1; MASP; Complement factor MASP-3; Complement factor MASP3; Complement-activating component of Ra-reactive factor; CRARF; EC 3.4.21; Mannan binding lectin serine protease 1; Mannose binding lectin associated serine protease 1; Mannose binding protein associated serine protease; Mannose-binding lectin-associated serine protease 1; Mannose-binding lectin-associated serine protease-1; MASP; PRSS 5; Ra reactive factor serine protease p100; Ra-reactive factor serine protease p100; RaRF; Serine protease 5; serine protease 5; complement factor MASP-3; Ra-reactive factor serine protease p100; mannose-binding protein-associated serine protease; mannose-binding lectin-associated serine protease 1; complement-activating component of Ra-reactive factor; MAP1; RaRF; CRARF; MASP3; MAp44; PRSS5; CRARF1;
Entrez Gene ID	5648
Protein Refseq	NP_001027019
UniProt ID	P48740
Chromosome Location	3q27-q28
Pathway	Complement Activation, Classical Pathway, organism-specific biosystem; Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem; Innate Immune System
Function	calcium ion binding; calcium-dependent protein binding; catalytic activity; peptidase activity; protein binding; protein homodimerization activity; serine-type endopeptidase activity; serine-

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type endopeptidase activity;

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