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Anti-C1s Rabbit Monoclonal Antibody

Catalog # ABO16197

Product Information

Application	WB, IHC, IP
Primary Accession	P09871
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-C1s Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human.

Additional Information

Gene ID	716
Other Names	Complement C1s subcomponent, 3.4.21.42, C1 esterase, Complement component 1 subcomponent s, Complement C1s subcomponent heavy chain, Complement C1s subcomponent light chain, C1S
Calculated MW	76684
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 IP 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 27C76
Immunogen	A synthesized peptide derived from human C1s
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

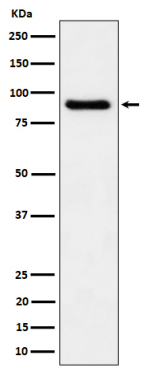
Name	C1S {ECO:0000303|PubMed:3500856, ECO:0000312|HGNC:HGNC:1247}
Function	Component of the complement C1 complex, a multiprotein complex that initiates the classical pathway of the complement system, a cascade of

proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system (PubMed:11445589, PubMed:16169853, PubMed:417728, PubMed:467643, PubMed:6271784, PubMed:6282646, PubMed:6319179, PubMed:70787, PubMed:9422791). C1S is activated following association of the C1 complex with immunoglobulins (IgG or IgM) complexed with antigens to form antigen-antibody complexes on the surface of pathogens (PubMed:34155115). C1S is cleaved and activated by C1R to generate C1s subcomponent heavy and light chains (PubMed:11445589, PubMed:6271784). C1s subcomponent light chain then cleaves and activates C2 and C4, the next components of the classical complement pathway (PubMed:16169853, PubMed:467643, PubMed:6282646, PubMed:6319179, PubMed:6906228, PubMed:70787, PubMed:9422791).

Cellular Location

Secreted. Cell surface. Note=Recruited to the surface of pathogens by the C1Q subcomplex.

Images



Western blot analysis of C1s expression in human plasma cell lysate.

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