

Cleaved-C1s HC (R437) Polyclonal Antibody
Catalog # AP63095**Specification****Cleaved-C1s HC (R437) Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P09871
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Cleaved-C1s HC (R437) Polyclonal Antibody - Additional Information**Gene ID** 716**Other Names**

C1S; Complement C1s subcomponent; C1 esterase; Complement component 1 subcomponent s

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Cleaved-C1s HC (R437) Polyclonal Antibody - 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

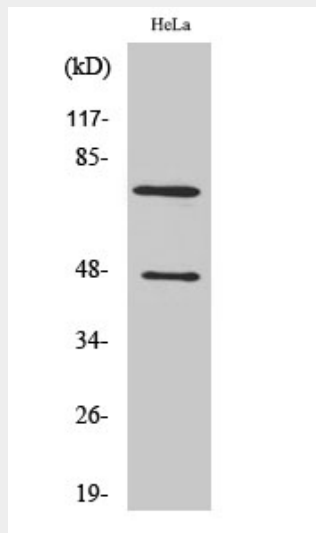
Secreted. Cell surface. Note=Recruited to the surface of pathogens by the C1Q subcomplex.

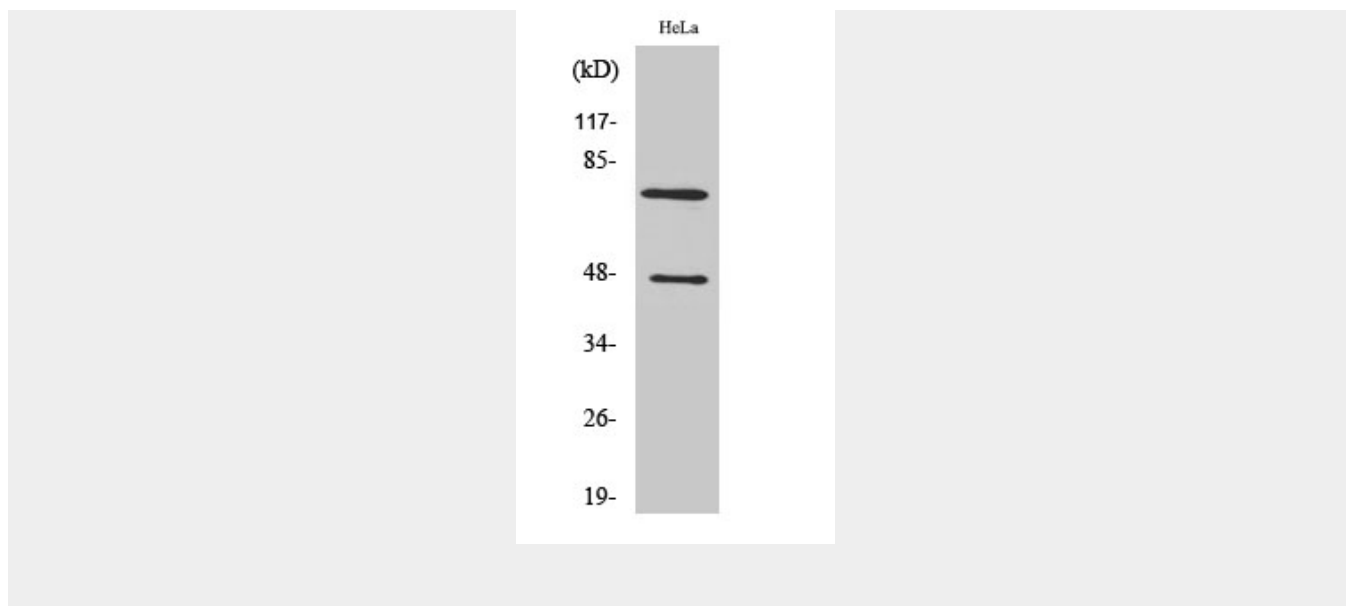
Cleaved-C1s HC (R437) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cleaved-C1s HC (R437) Polyclonal Antibody - Images





Cleaved-C1s HC (R437) Polyclonal Antibody - Background

C1s B chain is a serine protease that combines with C1q and C1r to form C1, the first component of the classical pathway of the complement system. C1r activates C1s so that it can, in turn, activate C2 and C4.