abcam

Product datasheet

Anti-C1s antibody [9] ab39551

1 Image

Overview

Product name	Anti-C1s antibody [9]
Description	Mouse monoclonal [9] to C1s
Host species	Mouse
Specificity	This antibody is specific for C1s and activated free C1s.
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	C1s purified from human plasma.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituents: 2.9% Sodium chloride, 0.0268% PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	9
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab39551 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.

Target

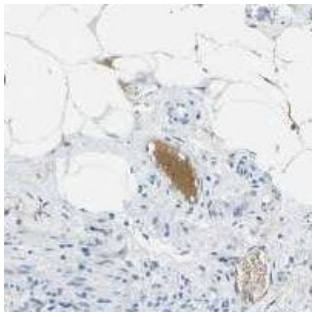
Function C1s B chain is a serine protease that combines with C1q and C1s to form C1, the first component of the classical pathway of the complement system. C1r activates C1s so that it can, in turn, activate C2 and C4.

Involvement in disease Defects in C1S are the cause of complement component C1s deficiency (C1SD) [MIM:613783]. A rare defect resulting in C1 deficiency and impaired activation of the complement classical pathway. C1 deficiency generally leads to severe immune complex disease with features of systemic lupus erythematosus and glomerulonephritis.

Sequence similarities Belongs to the peptidase S1 family.
Contains 2 CUB domains.
Contains 1 EGF-like domain.
Contains 1 peptidase S1 domain.
Contains 2 Sushi (CCP/SCR) domains.

Post-translational modifications The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C1s antibody [9] (ab39551)

Plasma positivity stained with ab39551.

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