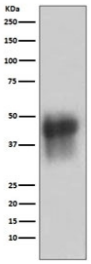
CD46 Antibody [clone AEI-3] (RQ5487)

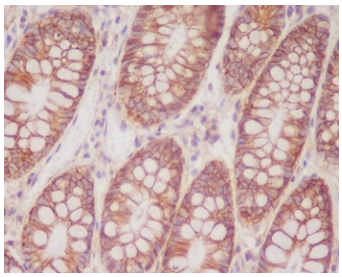
Catalog No.	Formulation	Size
RQ5487	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AEI-3
Purity	Affinity purified
UniProt	P15529
Localization	Plasma membrane
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:50-1:200
Limitations	This CD46 antibody is available for research use only.



Western blot testing of human K562 cell lysate with CD46 antibody. Observed molecular weight: 41~70 kDa depending on glycosylation level.



IHC staining of FFPE human colon tissue with CD46 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

Description

The protein encoded by the CD46 gene is a type I membrane protein and is a regulatory part of the complement system. The encoded protein has cofactor activity for inactivation of complement components C3b and C4b by serum factor I, which protects the host cell from damage by complement. In addition, the encoded protein can act as a receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic Neisseria. Finally, the protein encoded by this gene may be involved in the fusion of the spermatozoa with the oocyte during fertilization. Mutations at this locus have been associated with susceptibility to hemolytic uremic syndrome. [RefSeq]

For additional information on CD46 and its role in complement regulation, visit our CD46 Antibody / Membrane Cofactor Protein Antibody page.

Application Notes

Optimal dilution of the CD46 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human CD46 was used as the immunogen for the CD46 antibody.

Storage

Store the CD46 antibody at -20oC.

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