

anti-Human CD46 Polyclonal Antibody | anti-CD46 antibody

Anti-CD46 Antibody

CATALOG # AAA46348	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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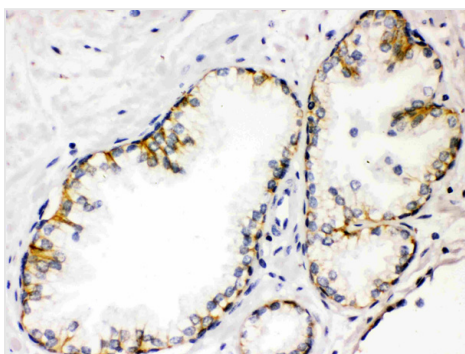
PRODUCT SYNONYMS

CD46; Polyclonal Antibody; Anti-CD46 Antibody; Membrane cofactor protein; AHUS2; Antigen defined by monoclonal; TRA 2 10; Antigen identified by monoclonal; CD46 antigen; CD46 antigen complement regulatory protein; CD46 molecule; CD46 molecule complement regulatory protein; Complement membrane cofactor protein; MCP; MCP_HUMAN; Measles virus receptor; membrane cofactor protein (CD46; trophoblast-lymphocyte cross-reactive antigen); MGC26544; MIC10; TLX; TRA2.10; Trophoblast leucocyte common antigen; Trophoblast leukocyte common antigen; Trophoblast lymphocyte cross reactive antigen; complement regulatory protein; anti-CD46 antibody

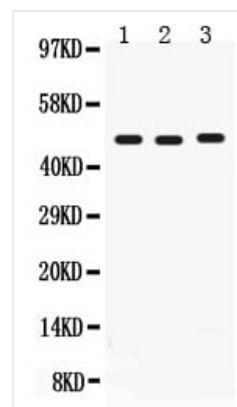
PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	392
Applicable Applications for anti-CD46 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CD46 (366-392aa YRYLQRRKKKGTYLTDETHREVKFTSL).
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES


IHC (Immunohistochemistry)

Anti- CD46 Picoband antibody, AAA46348, IHC(P)IHC(P): Human Prostatic Cancer Tissue


WB (Western Blot)

Anti- CD46 Picoband antibody, AAA46348, Western blottingAll lanes: Anti CD46 (AAA46348) at 0.5ug/mlLane 1: Human Placenta Tissue Lysate at 50ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: COLO320 Whole Cell Lysate at 40ugPredicted bind size: 49KDObserved bind size: 49KD

ADDITIONAL INFORMATION

Related Product Information for anti-CD46 antibody	Description: Rabbit IgG polyclonal antibody for Membrane cofactor protein(CD46) detection. Tested with WB, IHC-P in Human. Background: CD46 complement regulatory protein also known as CD46 (cluster of differentiation 46) and Membrane Cofactor Protein is a protein which in humans is encoded by the CD46 gene. The protein encoded by this gene is a type I membrane protein and is a regulatory part of the complement system. And 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. Alternatively spliced transcript variants encoding different isoforms have been described.
References	1. "Entrez Gene: CD46 CD46 molecule, complement regulatory protein". 2. Liszewski MK, Post TW, Atkinson JP (1991). "Membrane cofactor protein (MCP or CD46): newest member of the regulators of complement activation gene cluster".Annu. Rev. Immunol. 9 (1): 431-55. 3. Taylor CT, Biljan MM, Kingsland CR, Johnson PM (May 1994). "Inhibition of human spermatozoon-oocyte interaction in vitro by monoclonal antibodies to CD46 (membrane cofactor protein)". Hum. Reprod.9 (5): 907-11.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27502402
NCBI GeneID	4179
NCBI Accession #	NP_002380.3
NCBI GenBank Nucleotide #	NM_002389.4
UniProt Accession #	P15529; Q15429; Q53GV9; Q5HY94; Q5VWS6; Q5VWS7; Q5VWS8; Q5VWS9; Q5VWT0; A0T1T0; A0T1T1; A0T1T2
Molecular Weight	36,826 Da
NCBI Official Full Name	membrane cofactor protein isoform 1
NCBI Official Synonym Full Names	CD46 molecule
NCBI Official Symbol	CD46
NCBI Official Synonym Symbols	MCP; TLX; AHUS2; MIC10; TRA2.10
NCBI Protein Information	membrane cofactor protein
UniProt Protein Name	Membrane cofactor protein
UniProt Gene Name	CD46
UniProt Synonym Gene Names	MCP; MIC10
UniProt Entry Name	MCP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.