

CD46 Antibody
Rabbit mAb
Catalog # AP90174

Specification

CD46 Antibody - Product Information

Application **WB, IHC, ICC**
Primary Accession **[P15529](#)**
Clonality **Monoclonal**
Other Names
MCP; MIC10; TLX; TRA2.10; CD46;

Isotype **Rabbit IgG**
Host **Rabbit**
Calculated MW **43747 Da**

CD46 Antibody - Additional Information

Dilution **WB~~1:1000**
IHC~~1:100~500
ICC~~N/A
Purification **Affinity-chromatography**
Immunogen **A synthesized peptide derived from human CD46**
Description **CD46 is a type I membrane protein and a regulatory part of the complement system. This 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, CD46 can act as a receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic Neisseria.**
Storage Condition and Buffer **Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

CD46 Antibody - Protein Information

Name CD46

Synonyms MCP, MIC10

Function

Acts as a cofactor for complement factor I, a serine protease which protects autologous cells against complement-mediated injury by cleaving C3b and C4b deposited on host tissue. May be

involved in the fusion of the spermatozoa with the oocyte during fertilization. Also acts as a costimulatory factor for T-cells which induces the differentiation of CD4+ into T-regulatory 1 cells. T-regulatory 1 cells suppress immune responses by secreting interleukin-10, and therefore are thought to prevent autoimmunity.

Cellular Location

Cytoplasmic vesicle, secretory vesicle, acrosome inner membrane; Single-pass type I membrane protein. Note=Inner acrosomal membrane of spermatozoa. Internalized upon binding of Measles virus, Herpesvirus 6 or Neisseria gonorrhoeae, which results in an increased susceptibility of infected cells to complement-mediated injury. In cancer cells or cells infected by Neisseria, shedding leads to a soluble peptide

Tissue Location

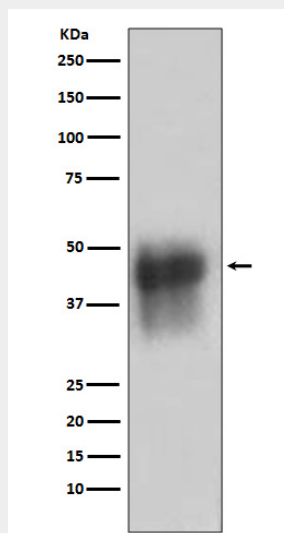
Expressed by all cells except erythrocytes.

CD46 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](#)

CD46 Antibody - Images



Western blot analysis of CD46 in K562 cell lysate.