

Anti-CD46 Picoband Antibody
Catalog # ABO12534

Specification

Anti-CD46 Picoband Antibody - Product Information

Application	WB
Primary Accession	O88174
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Membrane cofactor protein(CD46) detection. Tested with WB in Mouse.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CD46 Picoband Antibody - Additional Information

Gene ID 17221

Other Names

Membrane cofactor protein, CD46, Cd46, Mcp

Calculated MW
40881 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Mouse

Subcellular Localization

Isoform 1: Cytoplasmic vesicle, secretory vesicle, acrosome inner membrane; Single-pass type I membrane protein. Inner acrosomal membrane of spermatozoa.

Tissue Specificity

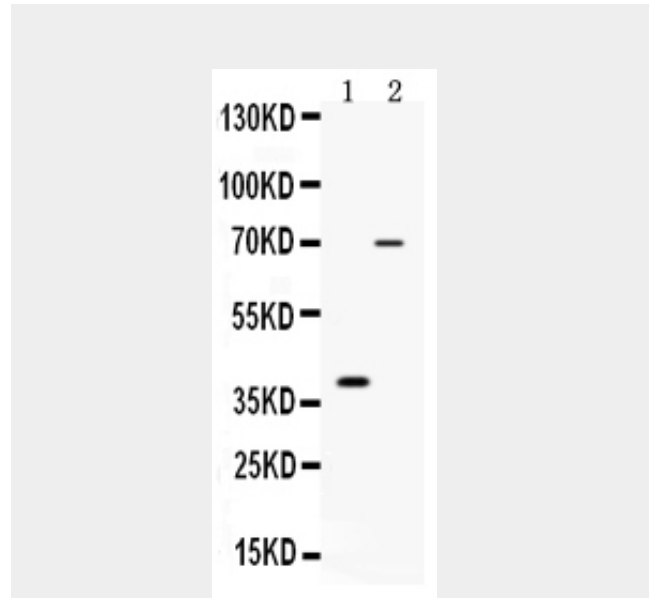
Present only in testis (at protein level).

Protein Name

Membrane cofactor protein

Contents

Each vial contains 5mg BSA, 0.9mg NaCl,



Western blot analysis of CD46 expression in mouse testis extract (lane 1) and NIH3T3 whole cell lysates (lane 2). CD46 at 41KD, 70KD was detected using rabbit anti- CD46 Antigen Affinity purified polyclonal antibody (Catalog # ABO12534) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-CD46 Picoband Antibody - 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

0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of mouse CD46 (46-76aa ELPRPFEAMELKGTPKLFYAVGEEKIEYKCKK), different from the related human sequence by twelve amino acids, and from the related rat sequence by nine amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

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.Â

Anti-CD46 Picoband Antibody - Protein Information

Name Cd46

Synonyms Mcp

Function

May be involved in the fusion of the spermatozoa with the oocyte during fertilization.

Cellular Location

[Isoform 1]: Cytoplasmic vesicle, secretory vesicle, acrosome inner membrane; Single-pass type I membrane protein
Note=Inner acrosomal membrane of spermatozoa

Tissue Location

Present only in testis (at protein level).

Anti-CD46 Picoband 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](#)