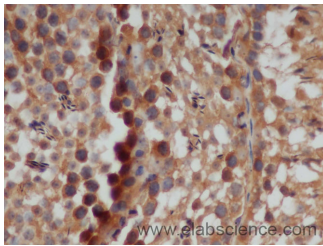


## CD46 Polyclonal Antibody

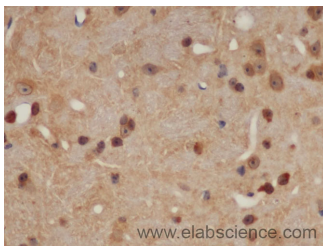
<b>Catalog No.</b>	E-AB-40059	<b>Reactivity</b>	M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	IHC	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Immunohistochemistry of paraffin-embedded Rat testis using CD46 Polyclonal Antibody at dilution of 1:50



Immunohistochemistry of paraffin-embedded Mouse brain using CD46 Polyclonal Antibody at dilution of 1:50

### Immunogen Information

<b>Immunogen</b>	Recombinant human Membrane cofactor protein
<b>Swissprot</b>	P15529
<b>Synonyms</b>	CD46, MCP, Membrane cofactor protein, MIC10, TLX, TRA2.10

### Product Information

<b>Buffer</b>	PBS with 0.05% Proclin300 and 50% glycerol, pH7.4.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	IHC 1:50-1:100

### Background

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. A number of viral and bacterial pathogens seem to exploit this property and directly induce an immunosuppressive phenotype in T-cells by binding to CD46.

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Applications: WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.