

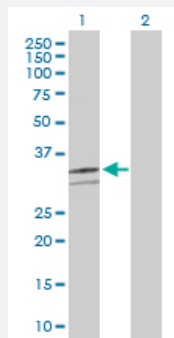
MaxPab®

CD46 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004179-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CD46 expression in transfected 293T cell line ([H00004179-T02](#)) by CD46 MaxPab polyclonal antibody.

Lane 1: CD46 transfected lysate(42.70 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CD46 protein.

Immunogen

CD46 (NP_722548.1, 1 a.a. ~ 384 a.a) full-length human protein.

Sequence

MEPPGRRECPFPSWRFPGLLLAAMVLLLYSFSDACEEPPTFEAMELIGKPKPYEIGERVDYKCK
KGYFYIPPLATHICDRNHTWLPVSDDACYRETCPYIRDPLNGQAVPANGTYEFGYQMHFICNEGY
LIGEEILYCELKGSVAWSGKPPICEKVLCTPPPKIKNGKHTFSEVEVFEYLDVAVTYSCDPAGPDP
FSLIGESTIYCGDNSVWSRAAPECKVVKCRFPVVENGGKQISGFGKKFYKATVMFECDKGFYLDG
SDTIVCDNSTWDPPVPKCLKVSTSSTTKSPASSASGPRPTYKPPVSNYPGYPKPEEGILDSLVD
WVIAVIVIAMVGVAVICVVPYRYLQRRKKKGKADGGAETATYQTKSTTPAEQRG

Host

Rabbit

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — CD46

Entrez GeneID [4179](#)

GeneBank Accession# [NM_153826.2](#)

Protein Accession# [NP_722548.1](#)

Gene Name CD46

Gene Alias MCP, MGC26544, MIC10, TLX, TRA2.10

Gene Description CD46 molecule, complement regulatory protein

Omim ID [120920 235400](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this 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. This gene is found in a cluster on chromosome 1q32 with other genes encoding structural components of the complement system. At least fourteen different transcript variants encoding fourteen different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

CD46 antigen, complement regulatory protein|OTTHUMP00000034577|OTTHUMP00000034622|OTTHUMP00000034623|OTTHUMP00000034624|OTTHUMP00000034625|OTTHUMP00000034626|OTTHUMP00000034706|antigen identified by monoclonal antibody TRA-2-10|complement membrane cofactor

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Abortion](#)
- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hemolytic-Uremic Syndrome](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Recurrence](#)