

For Research Use Only

CD46 Polyclonal antibody

Catalog Number: 28936-1-AP



Basic Information

| | | |
|---|---|---|
| Catalog Number: 28936-1-AP | GenBank Accession Number: BC030594 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 340 µg/ml by Nanodrop; | GeneID (NCBI): 4179 | Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: P15529 | |
| Isotype: IgG | Full Name: CD46 molecule, complement regulatory protein | |
| Immunogen Catalog Number: AG30376 | Calculated MW: 384 aa, 43 kDa | |
| | Observed MW: 50-70 kDa | |

Applications

| | |
|---|--|
| Tested Applications: WB, IHC, ELISA | Positive Controls: WB : HeLa cells, Jurkat cells, A549 cells |
| Species Specificity: Human | IHC : human colon cancer tissue, |

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

CD46, also known as Membrane cofactor protein (MCP) or MIC10, is a ubiquitously expressed type type-I transmembrane glycoprotein that acts as a cofactor for complement factor I to mediate inactivation of C3b and C4b deposited on host cells. CD46 is a receptor for a large number of pathogens, including measles virus and adenovirus (PMID: 20941397). CD46 plays a role in linking innate and adaptive immune responses. It may be involved in the fusion of the spermatozoa with the oocyte during fertilization. Mutations of the CD46 gene have been associated with some diseases including hemolytic uremic syndrome (PMID: 26054645). CD46 is expressed on most cells as four isoforms that are derived via alternative splicing (PMID: 15324743).

Storage

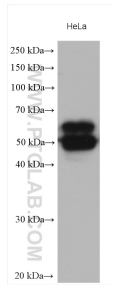
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

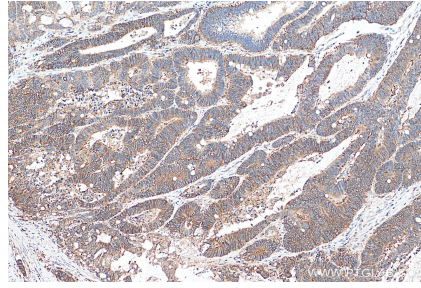
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

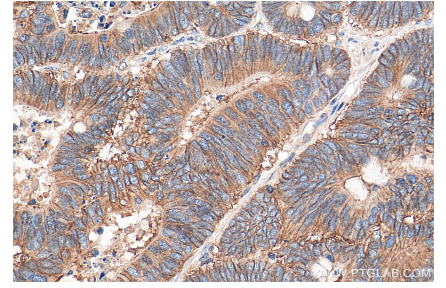
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 28936-1-AP (CD46 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 28936-1-AP (CD46 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 28936-1-AP (CD46 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).