

For Research Use Only

CD59 Polyclonal antibody

Catalog Number: 10742-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

10742-1-AP

Concentration:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1173

GenBank Accession Number:

BC001506

GeneID (NCBI):

966

UNIPROT ID:

P13987

Full Name:

CD59 molecule, complement regulatory protein

Calculated MW:

19 kDa

Observed MW:

18-20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human

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

Positive Controls:

WB : BxPC-3 cells, human brain tissue, HUVEC cells, HeLa cells

IHC : human placenta tissue, human tonsillitis tissue

IF/ICC : BxPC-3 cells,

Background Information

CD59, also named as MIC11, MIN1, MIN2, MIN3, MSK21, M1RL, MAC1F, HRF20 and 1F5 antigen, is a cell surface molecule glycoprotein with MW 18-25 kDa. It acts as a determinant of proximal-distal cell identity. CD59 acts by binding to the C8 and/or C9 complements of the assembling membrane attack complex (MAC), thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. It is involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.

Notable Publications

Author	Pubmed ID	Journal	Application
S Nishiyama	29114578	Biochem Biophys Rep	WB
Yingchun Zhang	31091357	Clin Exp Immunol	WB
Wang Yongjun Y	21464923	PLoS One	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

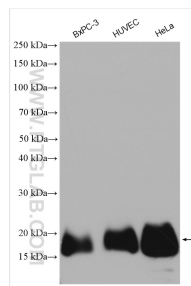
T: 4006900926

E: Proteintech-CN@ptglab.com

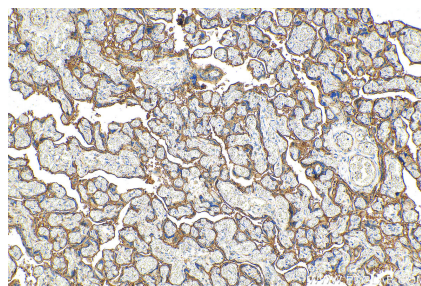
W: ptgcn.com

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

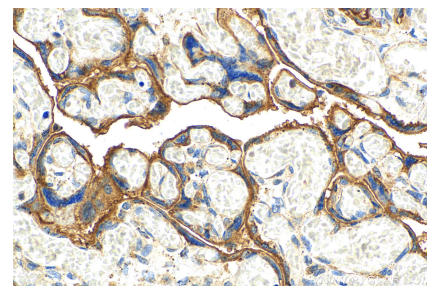
Selected Validation Data



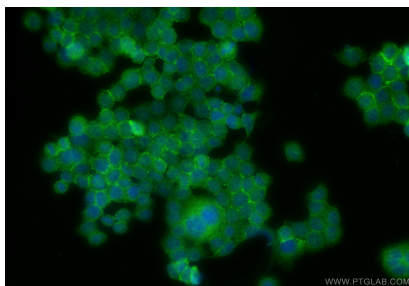
Various lysates were subjected to SDS PAGE followed by western blot with 10742-1-AP (CD59 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10742-1-AP (CD59 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 placenta tissue slide using 10742-1-AP (CD59 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed BxPC-3 cells using CD59 antibody (10742-1-AP) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).