

For Research Use Only

CEACAM1/CD66a Recombinant antibody

Catalog Number: 84409-4-RR



Basic Information

Catalog Number: 84409-4-RR	GenBank Accession Number: GeneID (NCBI): 26365	Purification Method: Protein A purification
Concentration: 1000 µg/ml	UNIPROT ID: P31809-1	CloneNo.: 241856H5
Source: Rabbit	Full Name: carcinoembryonic antigen-related cell adhesion molecule 1	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:2000-1:8000 IF-P 1:400-1:1600
Isotype: IgG	Calculated MW: 57 kDa	
Immunogen Catalog Number: EG1423	Observed MW: 120 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, ELISA

Species Specificity:
mouse

**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 : mouse liver tissue, mouse small intestine tissue

IHC : mouse liver tissue, mouse small intestine tissue

IF-P : mouse small intestine tissue, mouse liver tissue

Background Information

CEACAM1, also known as CD66a or BGP (biliary glycoprotein), is a member of the carcinoembryonic antigen (CEA) family which belongs to the immunoglobulin superfamily of cell adhesion molecules (PMID: 16919437). CEACAMs play major roles in cell-cell and cell-ECM adhesion and have been implicated in the control of cell proliferation, angiogenesis, and tissue remodeling (PMID: 23021083). CEACAM1 is a transmembrane glycoprotein that is expressed on epithelial, endothelial, and immune cells (PMID: 30314283). CEACAM1 has been demonstrated to play a role in morphogenesis, apoptosis, angiogenesis, cell proliferation, cell motility, fibrosis, and immunity (PMID: 31604530).

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:

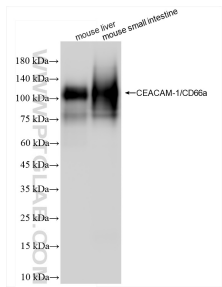
T: 4006900926

E: Proteintech-CN@ptglab.com

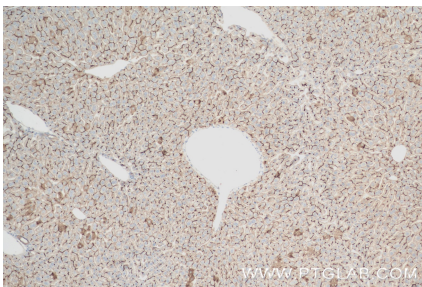
W: ptgcn.com

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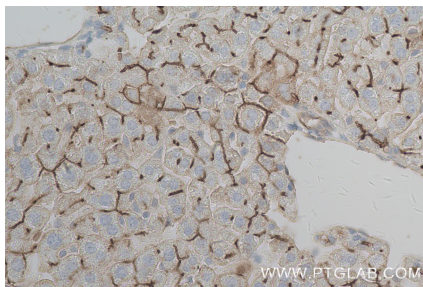
Selected Validation Data



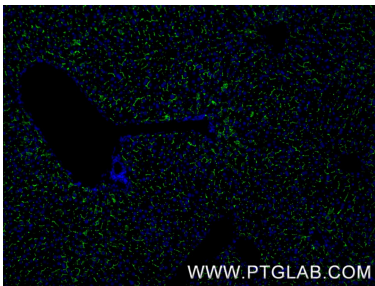
Various lysates were subjected to SDS PAGE followed by western blot with 84409-4-RR (CEACAM-1/CD66a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



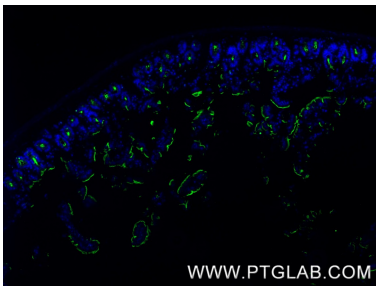
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84409-4-RR (CEACAM1/CD66a antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84409-4-RR (CEACAM1/CD66a antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using CEACAM1/CD66a antibody (84409-4-RR, Clone: 241856H5) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse small intestine tissue using CEACAM1/CD66a antibody (84409-4-RR, Clone: 241856H5) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

