

For Research Use Only

# CEACAM1/CD66a Polyclonal antibody

Catalog Number: 30347-1-AP



## Basic Information

Catalog Number:

30347-1-AP

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC014473

GeneID (NCBI):

634

UNIPROT ID:

P13688

Full Name:

carcinoembryonic antigen-related  
cell adhesion molecule 1 (biliary  
glycoprotein)

Calculated MW:

526 aa, 58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:1000-1:4000

## Applications

Tested Applications:

IHC, ELISA

Species Specificity:

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:

IHC : human colon 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

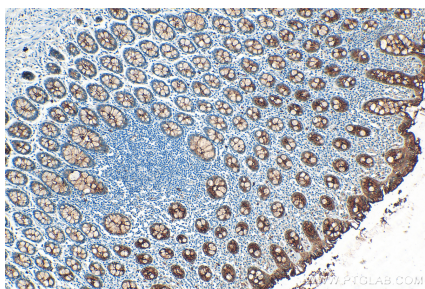
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

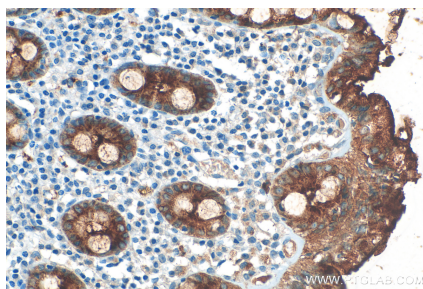
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 30347-1-AP (CEACAM1/CD66a antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 30347-1-AP (CEACAM1/CD66a antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).