

CEACAM3-Specific Polyclonal antibody

Catalog Number: 19496-1-AP

1 Publications

Basic Information

Catalog Number:

19496-1-AP

Size:

180 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001815

GeneID (NCBI):

1084

UNIPROT ID:

P40198

Full Name:

carcinoembryonic antigen-related
cell adhesion molecule 3

Calculated MW:

27 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:20-1:200

Applications

Tested Applications:

FC, IHC, ELISA

Cited Applications:

IF, IHC

Species Specificity:

human

Cited Species:

human

Positive Controls:

IHC : human colon cancer tissue, human stomach
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

CEACAM3, also named as CD66D and CGM1, belongs to the immunoglobulin superfamily and CEA family. CEACAM3 is the major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms, including *Neisseria*, *Moxarella* and *Haemophilus* species. CEACAM3 plays an important role in the clearance of pathogens by the innate immune system. It is responsible for RAC1 stimulation in the course of pathogen phagocytosis. The antibody is specific to isoform1 of CEACAM3.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiaqi Jin	35869501	Cell Biosci	IHC, IF

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:

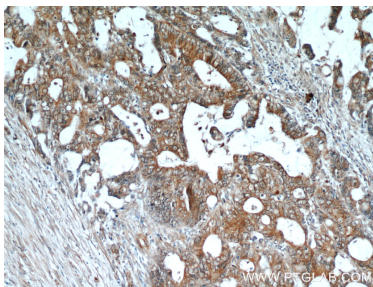
T: 4006900926

E: Proteintech-CN@ptglab.com

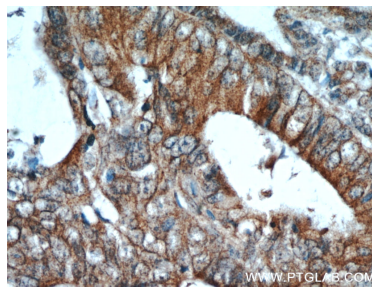
W: ptgcn.com

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

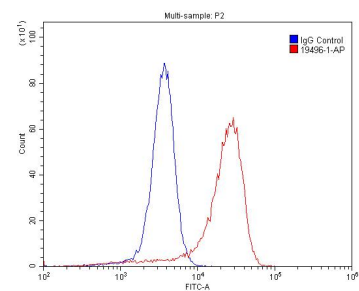
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer using 19496-1-AP (CEACAM3-Specific antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 19496-1-AP (CEACAM3-Specific antibody) at dilution of 1:50 (under 40x lens).



1X10⁶ A431 cells were stained with .2ug CEACAM3-Specific antibody (19496-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.