

For Research Use Only

# CEACAM3-Specific Polyclonal antibody

Catalog Number:19496-1-AP

2 Publications



## Basic Information

<b>Catalog Number:</b> 19496-1-AP	<b>GenBank Accession Number:</b> NM_001815	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 180 ug/ml by Nanodrop and 160 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1084	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P40198	
<b>Isotype:</b> IgG	<b>Full Name:</b> carcinoembryonic antigen-related cell adhesion molecule 3	
	<b>Calculated MW:</b> 27 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human colon cancer tissue, human stomach cancer tissue
<b>Cited Applications:</b> IHC, IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	

**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
Weiwei Dai	38167409	Nat Commun	IHC

## 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

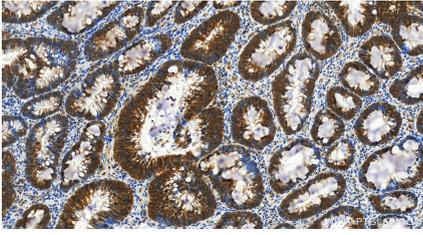
\*\*\* 20ul sizes contain 0.1% BSA

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  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 19496-1-AP (CEACAM3-Specific antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).