For Research Use Only

CEACAM3-Specific Polyclonal antibody

Catalog Number:19496-1-AP 3 Publications

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Basic Information

Catalog Number:
19496-1-AP

Size:
150ul , Concentration: 180 ug/ml by Nanodrop and 160 ug/ml by Bradford method using BSA as the standard;

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: 1:50-1:500

Applications

Tested Applications:
IHC, ELISA

Cited Applications:
IHC, IF

Species Specificity:
human

Cited Species:
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

Positive Controls:

IHC : human colon cancer tissue, human stomach cancer tissue

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 Neissiria, 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
Yuquan Bai	41135717	Genomics	IHC
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, pH7.3
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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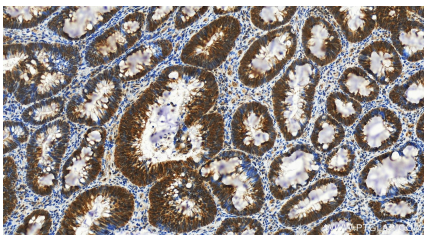
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer 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).