

For Research Use Only

# CEACAM7 Polyclonal antibody

Catalog Number: 24626-1-AP



## Basic Information

<b>Catalog Number:</b> 24626-1-AP	<b>GenBank Accession Number:</b> BC121132	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1087	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> carcinoembryonic antigen-related cell adhesion molecule 7	
<b>IsoType:</b> IgG	<b>Calculated MW:</b> 265 aa, 29 kDa	
<b>Immunogen Catalog Number:</b> AG18579	<b>Observed MW:</b> 58 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

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:

WB : mouse colon tissue,

IHC : human colon tissue,

## Background Information

CEACAM7, also known as CGM2, belongs to the carcinoembryonic antigen (CEA) family. CEACAM7 contains three domains: an N-terminal IgV domain, a single IgC2 domain, and a cell-surface GPI anchor domain. CEACAM7 achieves cell adhesion through dimerization of the N-terminal IgV domain. CEACAM7 is expressed on highly differentiated epithelial cells of the colon and rectum and on the epithelial cells within the ducts of the pancreas (PMID: 26323304). CEACAM7 has 2 isoforms with the molecular mass of 19 and 29 kDa. The observed MW of CEACAM7 is 58 kDa, which is consistent with the description in the literature (PMID: 36828119).

## 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

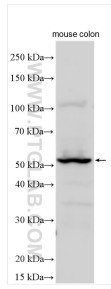
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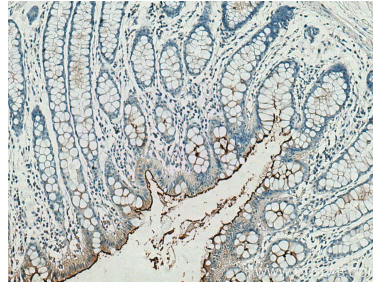
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## Selected Validation Data



mouse colon tissue were subjected to SDS PAGE followed by western blot with 24626-1-AP (CEACAM7 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 24626-1-AP (CEACAM7 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).