

CEACAM7 Polyclonal antibody

Catalog Number: 24626-1-AP

Basic Information

Catalog Number: 24626-1-AP	GenBank Accession Number: BC121132	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 1087	Recommended Dilutions: WB 1:200-1:1000 IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q14002	
Isotype: IgG	Full Name: carcinoembryonic antigen-related cell adhesion molecule 7	
Immunogen Catalog Number: AG18579	Calculated MW: 265 aa, 29 kDa Observed MW: 58 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : mouse colon tissue, IHC : human colon tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

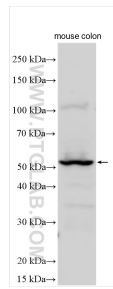
Background Information

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).

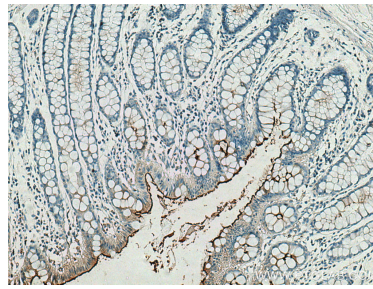
Storage

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

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).