

For Research Use Only

CEA/CD66e Polyclonal antibody

Catalog Number: 31519-1-AP



Basic Information

Catalog Number: 31519-1-AP	GenBank Accession Number: NM_004363	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop;	GeneID (NCBI): 1048	Recommended Dilutions: IHC 1:2000-1:8000
Source: Rabbit	UNIPROT ID: P06731-1	
Isotype: IgG	Full Name: carcinoembryonic antigen-related cell adhesion molecule 5	
	Calculated MW: 77 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human colon cancer tissue,
Species Specificity: human	
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

Carcinoembryonic antigen (CEA), also known as CEACAM5 or CD66e, is a cell surface glycoprotein belonging to the immunoglobulin superfamily, mainly serving as a cell adhesion molecule mediating intercellular contact by both homophilic and heterophilic binding (PMID: 21731662). CEA inhibits anoikis and plays a role in tumorigenesis and metastasis. CEA has been found to be overexpressed in a wide variety of human cancers, including colon, breast, and lung (PMID: 17167768). CEA is a tumor marker and is routinely exploited for diagnosis.

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

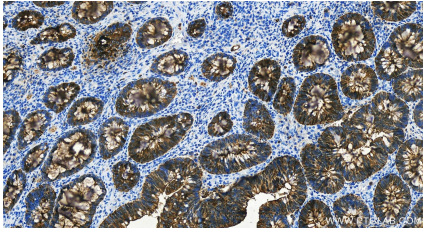
For technical support and original validation data for this product please contact:

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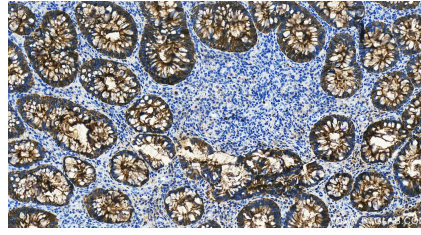
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W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 31519-1-AP (CEA/CD66e antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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