

For Research Use Only

CEA Polyclonal antibody

Catalog Number: 10421-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

10421-1-AP

Size:

150UL, Concentration: 200 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0672

GenBank Accession Number:

BC034671

GeneID (NCBI):

1048

Full Name:

carcinoembryonic antigen-related cell adhesion molecule 5

Calculated MW:

77 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:200-1:800

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

ChIP, IHC, WB

Species Specificity:

human

Cited Species:

human

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 appendicitis tissue, human stomach cancer tissue, human lung cancer tissue

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Ina Rudloff	31734267	Transl Res	WB
P-H Zhou	26005859	Gene Ther	IHC
Qingguo Li	29910683	Int J Biol Sci	WB,IHC,ChIP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

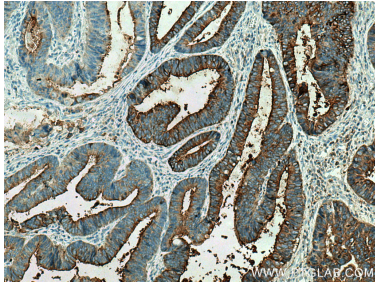
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

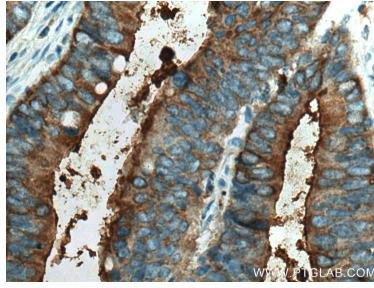
E: proteintech@ptglab.com
W: ptglab.com

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 10421-1-AP (CEA antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10421-1-AP (CEA antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).