

## Anti-CEA/CD66e Rabbit pAb



WLA0532

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-CEA/CD66e Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
	IHC、IF	1:100-1:500
<b>Cellular localization</b>	Cell membrane.	
<b>Pack size</b>	50/100/200/500/1000µl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml	

## General Information

## Background

Carcinoembryonic antigen (CEA), also known as CEACAM5 or CD66e, belongs to the immunoglobulin superfamily and is a key cell surface glycoprotein molecule. Its core function is to precisely regulate the adhesion process between cells through specific binding mechanisms of homophily (between molecules of the same species) and heterophily (between molecules of different species). As a typical representative of cell surface glycoproteins, CEA plays an irreplaceable regulatory role in key processes such as cell adhesion, intracellular signaling, and tumor progression. CEA has the ability to inhibit anoikis. A large amount of clinical evidence has confirmed that CEA is generally overexpressed in colorectal cancer, breast cancer, lung cancer and other human malignant tumors, so it has become a widely used tumor diagnostic biomarker in

## Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of CEA/CD66e.

## Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

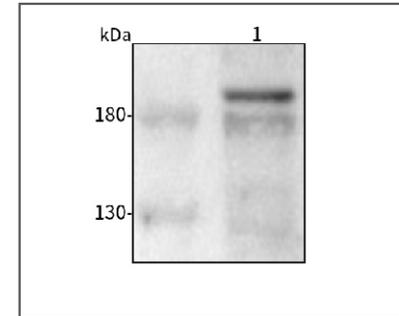
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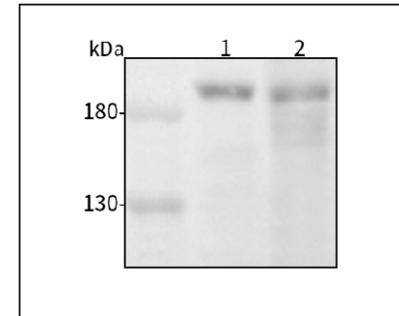
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## Product Images



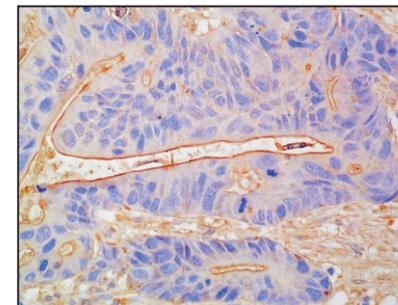
## Western blot-Anti-CEA/CD66e pAb

Lane 1: Human TPC-1 cell lysate  
 All lanes: Anti-CEA/CD66e at 1:2000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 77 kDa  
 Observed band size: 180-200 kDa



## Western blot-Anti-CEA/CD66e pAb

Lane 1: Mouse colon tissue lysate  
 Lane 2: Rat stomach tissue lysate  
 All lanes: Anti-CEA/CD66e at 1:2000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 77 kDa  
 Observed band size: 180-200 kDa



## Immunohistochemistry-Anti-CEA/CD66e pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-CEA/CD66e Rabbit Antibody at 1:200 dilution.  
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

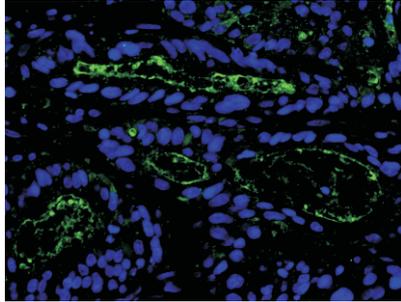


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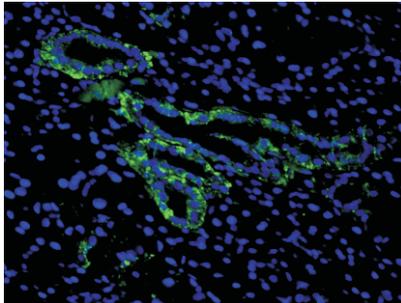
### Product Information



#### Immunofluorescence-Anti-CEA/CD66e pAb

Immunofluorescence analysis of paraffin-embedded human colon cancer using anti-CEA/CD66e Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunofluorescence-Anti-CEA/CD66e pAb

Immunofluorescence analysis of paraffin-embedded rat salivary gland using anti-CEA/CD66e Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0