



carcinoembryonic antigen(CEA) (ABT-CEA) mouse mAb

Catalog No	BYab-15132
Isotype	IgG
Reactivity	Human
Applications	IHC;WB;IF
Gene Name	CEACAM5 CEA
Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 5 (Carcinoembryonic antigen) (CEA) (Meconium antigen 100) (CD antigen CD66e)
Immunogen	Synthesized peptide derived from human carcinoembryonic antigen(CEA)
Specificity	This antibody detects endogenous levels of human carcinoembryonic antigen(CEA). Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH8.0 was highly recommended as antigen repair method in paraffin sec
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Mouse, Monoclonal/IgG2b, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, WB 1:200-1000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Cell membrane ; Lipid-anchor, GPI-anchor . Apical cell membrane . Cell surface . Localized to the apical glycocalyx surface. .
Tissue Specificity	Expressed in columnar epithelial and goblet cells of the colon (at protein level) (PubMed:10436421). Found in adenocarcinomas of endoderally derived digestive system epithelium and fetal colon.
Function	function:Cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. Receptor for E.coli Dr adhesins.,PTM:Complex immunoreactive glycoprotein with a MW of 180 kDa comprising 60% carbohydrate.,similarity:Belongs to the immunoglobulin superfamily. CEA family.,similarity:Contains 7 Ig-like (immunoglobulin-like) domains.,subunit:Homodimer. Binding of E.coli Dr adhesins leads to dissociation of the homodimer.,tissue specificity:Found in adenocarcinomas of endoderally

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derived digestive system epithelium and fetal colon.,

Background

This gene encodes a cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins. The encoded protein is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally, the encoded protein may regulate differentiation, apoptosis, and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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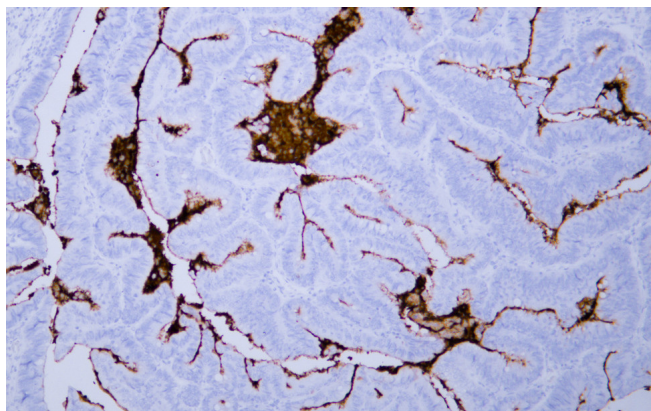
网址: www.njbybio.com

官方热线: 025-5229-8998

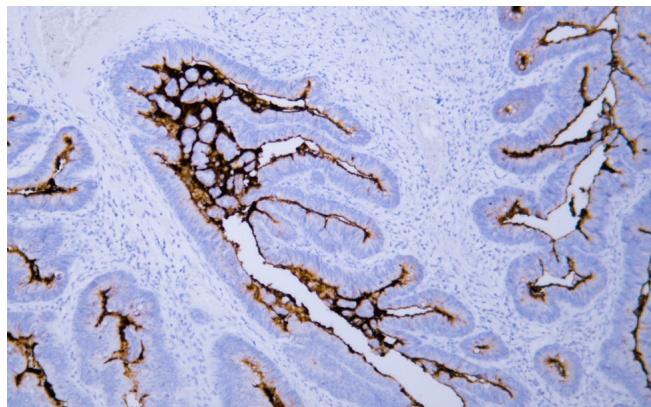
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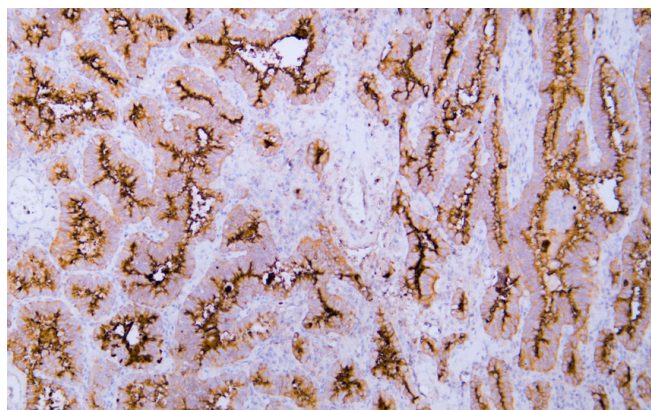
Products Images



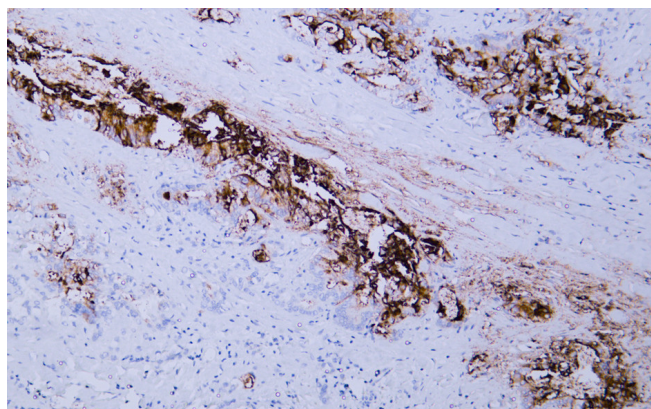
Human colon carcinoma tissue was stained with anti-CEA(ABT-CEA) antibody.



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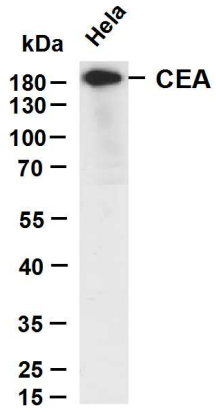


Human lung adenocarcinoma tissue was stained with anti-CEA(ABT-CEA) antibody.



Human pancreatic adenocarcinoma tissue was stained with anti-CEA(ABT-CEA) antibody.

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Hela whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CEA(ABT-CEA) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: Hela Predicted band size: 76kDa Observed band size: 200kDa