

**carcinoembryonic antigen(CEA) (ABT27R) rabbit mAb**

<b>Catalog No :</b>	YM7030
<b>Reactivity :</b>	Human;
<b>Applications :</b>	IHC;WB; ELISA
<b>Target :</b>	CEA
<b>Gene Name :</b>	CEACAM5
<b>Protein Name :</b>	Carcinoembryonic antigen-related cell adhesion molecule 5 (Carcinoembryonic antigen) (CEA) (Meconium antigen 100) (CD antigen CD66e)
<b>Human Gene Id :</b>	1048
<b>Human Swiss Prot No :</b>	P06731
<b>Immunogen :</b>	Synthesized peptide derived from human carcinoembryonic antigen(CEA) AA range:600-702
<b>Specificity :</b>	This antibody detects endogenous levels of CEA
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, Rabbit IgG1, Kappa
<b>Dilution :</b>	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
<b>Purification :</b>	Recombinant Expression and Affinity purified
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	77kD
<b>Background :</b>	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],

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**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 endodermally derived digestive system epithelium and fetal colon.,

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**Subcellular Location :**

Cytoplasmic

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**Expression :**

Expressed in columnar epithelial and goblet cells of the colon (at protein level) (PubMed:10436421). Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.

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## Products Images