

Carcinoembryonic Antigen Antibody

Catalog No: #38106

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

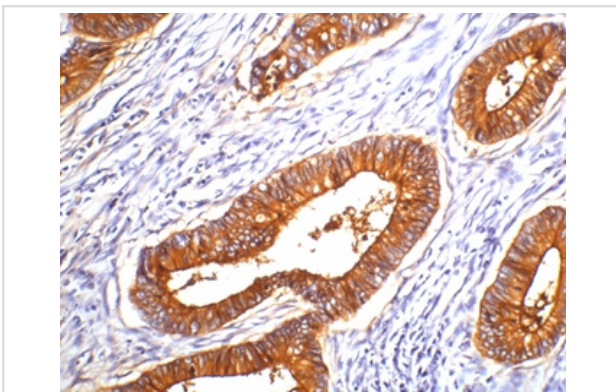
Product Name	Carcinoembryonic Antigen Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	1.00E+02
Purification	Affinity purification using immunogen.
Applications	IHC,IF
Species Reactivity	Hu
Specificity	The CEA Mouse Monoclonal Antibody detects endogenous CEA proteins.
Target Name	Carcinoembryonic Antigen Antibody
Other Names	CEA;Pregnancy-specific glycoprotein 2; PS-beta-E; PS-beta-G-2; PSBG-2; PSBG2; PSG1; PSG2; PSGGB
Accession No.	Swiss-Prot#:P11465
Uniprot	P11465
GeneID	5670;
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

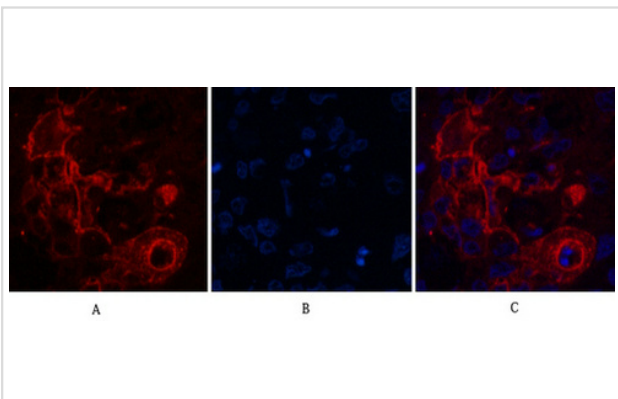
IHC dilution: 1:200

IF dilution:1:50-200

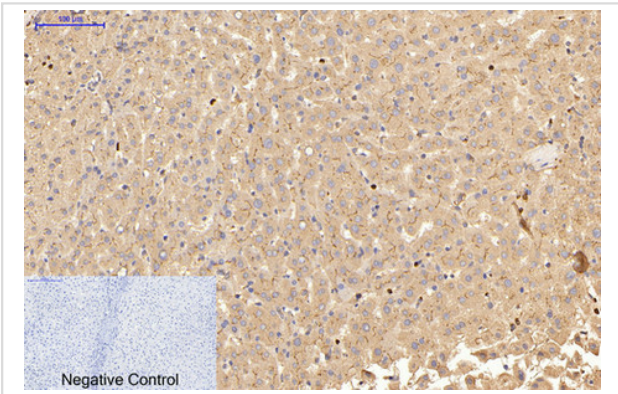
Images



IHC staining of human colon cancer tissue with CEA mouse mAb(10E1) diluted at 1:200.



Immunofluorescence analysis of Human-lung-cancer tissue. 1, Carcinoembryonic Antigen Monoclonal Antibody(10E1)(red) was diluted at 1:200(4C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1, Carcinoembryonic Antigen Monoclonal Antibody(10E1) was diluted at 1:200(4C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

Background

CEA is synthesised during development in the fetal gut, and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. Antibodies to CEA are useful in identifying the origin of various metastatic adenocarcinomas and in distinguishing pulmonary adenocarcinomas (60 to 70% are CEA+) from pleural mesotheliomas (rarely or weakly CEA+).

Note: This product is for in vitro research use only