CEA
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX50080
Clone# BP6085

Predicted Molecular Wt:	77kDa	**Purity:**	ProA affinity purified IgG
Species Cross-reactivity:	Human	**Form:**	Liquid
Applications:	IHC-P	**Swissprot ID:**	P06731

Background:

Carcinoembryonic antigen (CEA) is a glycoprotein produced in colorectal cancer tissues. In normal adult tissue, CEA is expressed in the apical border and, to a lesser extent in the cytoplasm, of the columnar cells of colon, small intestine, stomach (surface epithelium, mucous neck cells and weakly in pyloric mucous cells), pancreatic ducts, secretory epithelia of sweat glands, squamous epithelial cells of the tongue, esophagus,uterine cervix, and urothelium.

The CEA antibody is a useful aid for classification of adenocarcinomas, notably in the gastrointestinal tract, including colonic and pancreatic carcinomas. IHC results also aid in the classification of secretory meningiomas and medullary carcinoma of the thyroid.

Subcellular location:

Cytoplasmic and lumenal membrane

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Natural protein within full length CEA was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:
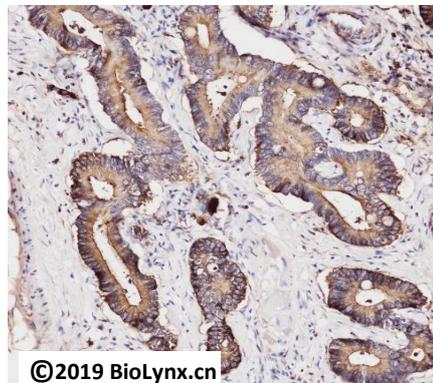
-20°C

Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Probst-Cousin S, Villagran-Lillo R, Lahl R, Bergmann M, Schmid KW, Gullotta F. Cancer 1997,79:2003-15.
2. Nollau P, et al. Cancer Res. 1997 Jun; 57(12):2354-57.

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of colon carcinoma lab-elling CEA with BP6085. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: