

Product Datasheet

CEA Antibody / Carcinoembryonic Antigen (orb248297)

Catalog Number	orb248297
Category	Antibodies
Description	This antibody recognizes proteins of 80-200kDa, identified as different members of the CEA (Carcinoembryonic Antigen) family. CEA is synthesized during development in the fetal gut and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. This antibody does not react with nonspecific cross-reacting antigen (NCA) and with human polymorphonuclear leucocytes. The antibody shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues. CEA is not found in benign glands, stroma, or malignant prostatic cells. antibody to CEA is useful in detecting early foci of gastric carcinoma and in distinguishing pulmonary adenocarcinomas (60-70% are CEA+) from pleural mesotheliomas (rarely or weakly CEA+). CEA antibody positivity is seen in adenocarcinomas from the lung, colon, stomach, esophagus, pancreas, gallbladder, urachus, salivary gland, ovary, and endocervix.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Immunogen	Human recombinant CEA protein was used as the immunogen for this antibody.
UniProt ID	P06731
Tested applications	IHC-P
Dilution range	Immunohistochemistry (FFPE): 0.25-0.5ug/ml for 30 min at RT

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Application notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titrated up or down for optimal performance. 1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes. 2. Clone C66/261 (recommended capture) will pair with clone C66/1009 (recommended detect) by ELISA. It will NOT pair with clone C66/1030. 3. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Antibody Type

Primary Antibody

Clone Number

C66/261

Formula

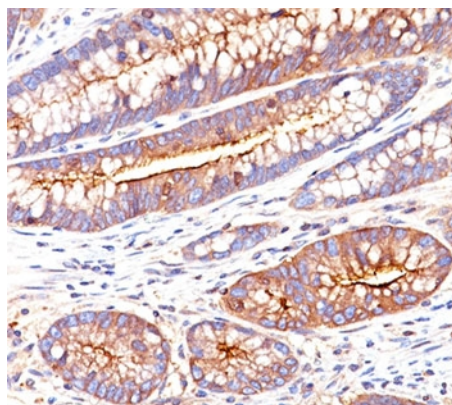
0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only



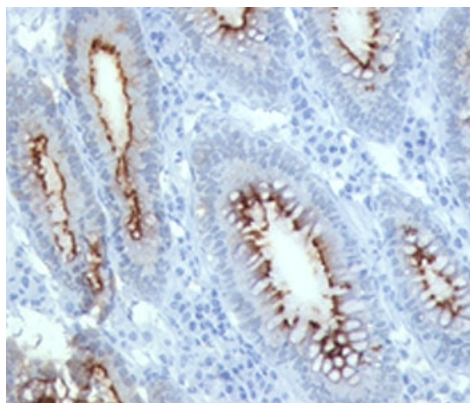
IHC testing of human colon carcinoma stained with CEA antibody (C66/261).

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IHC testing of human colon carcinoma stained with CEA antibody (C66/261).

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