

Rabbit anti-Carcino Embryonic Antigen (CEA) Polyclonal Antibody

Storage: 2-8°C

Catalog No: P3012	1ml	<input type="checkbox"/>
P3012S	0.2ml	<input type="checkbox"/>
P3012U	6ml	<input type="checkbox"/>

Intended Use and Background:

Rabbit anti-CEA antibody is intended for detection of carcinoembryonic antigen (CEA) of human origin by immunohistochemistry. Carcinoembryonic antigen (CEA) is a glycoprotein involved in cell adhesion. It is normally produced during fetal development and then re-expressed in increased amount in colorectal, gastric, pancreatic, lung and breast carcinomas. CEA measurement is mainly used as a tumor marker to identify recurrences after surgical resection. Antibodies to CEA are commonly used 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+).

Components:

Rabbit anti-CEA antibody is total immunoglobulin IgG purified from rabbit. It is stored in PBS buffer pH 7.4 with 1% BSA and 0.05% sodium azide.

Host species: Rabbit
Isotype: Total immunoglobulin IgG
Immunogen: Human CEA purified from colon carcinoma
Reacts with: Human, others not tested

Catalog No.	Format	Size
P3012	Concentrate	1 ml
P3012s	Concentrate	0.2ml
P3012U	Ready-to-use	6ml

Positive Control: Human Colon Carcinoma

Pretreatment required: Not required

Cellular Localization: Luminal membrane and cytoplasmic

Application: immunohistochemistry (IHC).

Recommended Protocol:

For concentrate antibody, the working dilution for formalin-fixed paraffin-embedded human tissue section is from 1:100-200 depending on the detection system used. Prediluted antibody is used directly without dilution. The optimal dilution needs to be determined by the investigator.

Manual staining procedure:

1. Deparaffinize slides.
2. Submerge slides in peroxidase quenching solution for 10 minutes and rinse with PBS 3 times, 2 minutes each.
3. Apply serum blocking solution (optional if use polymer detection system)
4. Apply primary antibody and incubate for 30-60 minutes at room temperature and rinse with PBS 3 times, 2 minutes each.
5. Apply secondary antibody conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
6. Apply enzyme conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
7. Apply chromogen and incubate 5-10 minutes and rinse with PBS.

Precaution:

Wear gloves and take other necessary laboratory safety procedure.

Storage: Store at 2-8°C.

Remarks: For research use only. Not for diagnostic or therapeutic use.