ZETA Corporation

Precision IVD Antibodies for Anatomic Pathology



PRODUCT FOCUS -- Tools used in the diagnosis of Lung Cancer

Lung Cancer Awareness Month, November 2026 –Lung cancer is by far the leading cause of cancer death in the US, accounting for about 1 in 5 of all cancer deaths. Estimates for lung cancer in the US for 2026 include about 229,410 new cases of lung cancer (110,910 in men and 118,500 in women), and about 124,990 deaths from lung cancer (63,040 in men and 61,950 in women). Most people diagnosed with lung cancer are 65 or older. On a positive note, the number of new lung cancer cases continues to decrease, partly because more people are quitting smoking (or not starting). The number of deaths from lung cancer continues to drop as well, due to fewer people smoking and **advances in early detection and treatment.** *(American Cancer Society)*

ZETA Corporation IVD antibodies for IHC are critical diagnostic tools to detect lung cancer, and to determine the type of lung cancer (non-small cell or small cell), and for the assessment of the extent of disease progression. Imaging tests (CT scans, X-rays etc,) can detect suspicious masses, however they can't definitively diagnose cancer, making IHC essential.

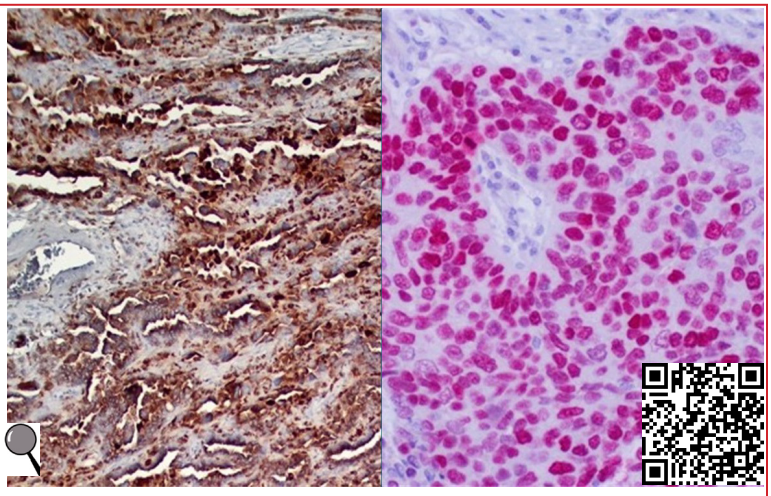
Zeta Corporation offers recombinant RAbMono™ (Rabbit Monoclonal) and MonoMAb™ (Mouse Monoclonal) recombinant IVD antibodies researched and developed for the anatomic pathology market for Immunohistochemistry. Zeta is incorporating highly sensitive technology to develop many of these primary antibodies that are target-validated and characterized for IHC on FFPE tissue sections. Zeta provides 400+ IVD antibodies for cancer screening and diagnosis.

NEW Lung DUALstain™ Cocktail (P40 + Napsin A)

The high specificity expression of Napsin A (brown) in lung adenocarcinomas is useful to distinguish primary lung adenocarcinomas from lung squamous cell carcinoma (P40 positive, red) and adenocarcinomas of other organs.

P40 (rabbit clone ZR8) and **Napsin A (mouse clone ZM11)**, are novel diagnostic markers for adenocarcinoma of the digestive system. p63 consists of two major isoforms-TAp63 and DNp63. DNp63 isoform (identified by anti-p40) contains an alternative transcriptionally inactive domain. ZR8 recognizes DNp63 but not TAp63. p40 reacts with squamous cell carcinomas but not with adenocarcinomas. Napsin is a pepsin-like aspartic proteinase consisting of Napsin A and Napsin B. Napsin A is expressed in type II pneumocytes and in lung adenocarcinomas. **(more)**

Species: rabbit & mouse monoclonals **Cat#:** Z2839



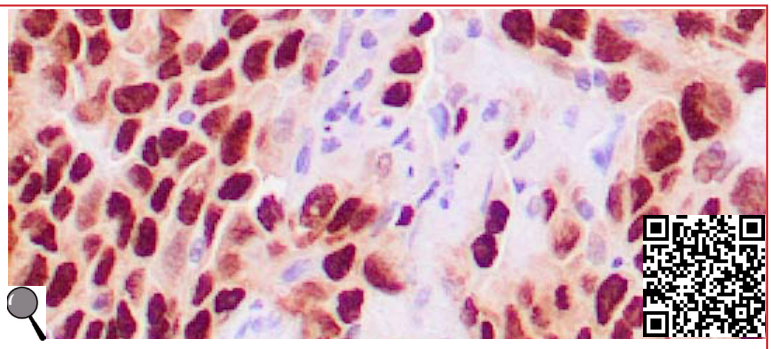
IHC: Human lung adenocarcinoma (left) and lung squamous cell carcinoma (right) stained Lung Cocktail antibodies with DAB-conjugate anti-mouse (napsin A) and AP-conjugated anti-rabbit (P40). Note the adenocarcinoma is only positive for Napsin A (brown) whereas the squamous cell carcinoma is only positive for p40 (red).

›› COCKTAIL ANTIBODY WEB PAGES: **p40** (rabbit clone ZR8) Z2004 **Napsin A** (mouse clone ZM11) Z2294

TTF-1/NKX2.1 (clone ZR176)

Recombinant; recognizes TTF-1/NKX2.1, a member of the NKx2 family of homeodomain transcription factors and is expressed in epithelial cells of thyroid gland and lung. ZR176 is useful in differentiating primary adenocarcinoma of the lung from metastatic carcinomas originating in the breast, mediastinal germ cell tumors, and malignant mesothelioma. It can also be used to differentiate small cell lung carcinoma from lymphoid infiltrates. Loss of TTF-1/NKX2.1 expression... **(more)**

Species: Rabbit Monoclonal **Cat#:** Z2370



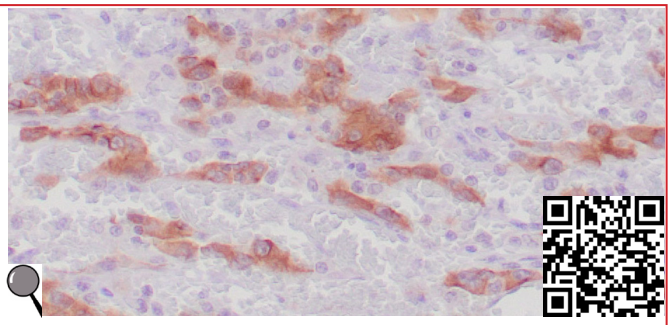
IHC: Human lung adenocarcinoma stained with ZR176.

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ALK-1 (clone ZR305)

Recombinant; recognizes TTF-1/NKX2.1, a member of the NKx2 family of homeodomain transcription factors and is expressed in epithelial cells of thyroid gland and lung. ZR176 is useful in differentiating primary adenocarcinoma of the lung from metastatic carcinomas originating in the breast, mediastinal germ cell tumors, and malignant mesothelioma. It can also be used to differentiate small cell lung carcinoma from lymphoid infiltrates. Loss of TTF-1/NKX2.1 expression... **(more)**

Species: Rabbit Monoclonal **Cat#:** Z2534

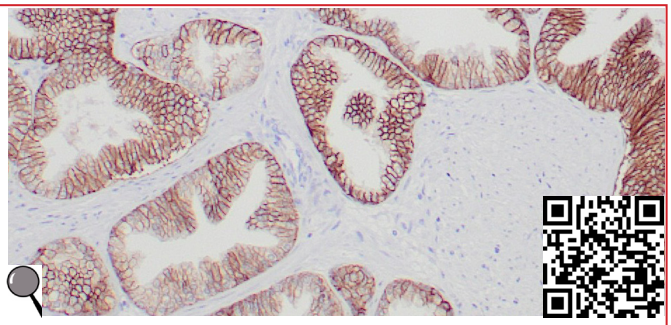


IHC: Human lung adenocarcinoma stained with ZR305.

TROP2 (clone ZR388)

Recombinant; recognizes TROP2 (Trophoblast cell surface antigen 2), expressed in many epithelial neoplasms. TROP2 deregulation can be associated with cancer progression in a tumor-type dependent manner. TROP2 is expressed in trophoblast cells, cornea, and multi-stratified epithelia. In embryonic development, TROP2 plays a critical role in placenta formation, embryo implantation, stem cell proliferation, and organ development. Additionally, TROP2 is highly expressed in several types of tumors and is... **(more)**

Species: Rabbit Monoclonal **Cat#:** Z2744

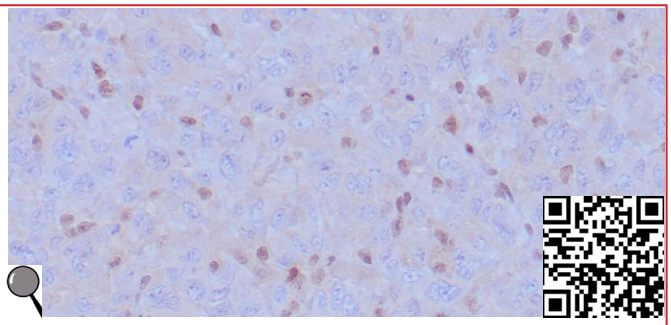


IHC: Human colon carcinoma stained with ZR388.

BAP1 (clone ZR454)

Recombinant; BAP1 (BRCA1-Associated Protein 1) was initially identified as a protein that binds to BRCA1. BAP1, is a tumor suppressor involved in transcriptional regulation, chromatin modulation, and possibly the DNA damage response pathway. BAP1 expression can differentiate malignant mesothelioma (nuclear negative) vs reactive mesothelial proliferation. BAP1 IHC is particularly useful in differentiating malignant mesothelioma (nuclear negative) versus reactive mesothelial proliferation (nuclear positive). **(more)**

Species: Rabbit Monoclonal **Cat#:** Z2813

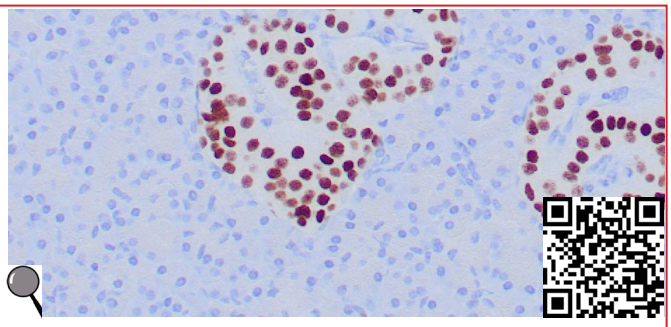


IHC: Malignant mesothelioma stained with ZR454.

INSM1 (clone ZR395)

Recombinant; Insulinoma-associated protein 1 (INSM1) is a developmentally regulated zinc-finger transcription factor. It localizes to the nucleus and is expressed in embryonic tissues undergoing neuroendocrine differentiation. INSM1 is not expressed in normal adult tissues but can be found highly expressed in neuroendocrine tumors. INSM1 is positive in 95% of lung small cell carcinoma and 91% of lung large cell neuroendocrine carcinoma, compared with 75% and 78% with the combined panel of ..... **(more)**

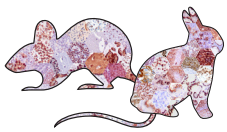
Species: Rabbit Monoclonal **Cat#:** Z2751



IHC: Human pancreas stained with ZR395.

Related Antibodies	Clone	Species	Cat. #
Calretinin	ZM85	Mouse	Z2392
Calretinin	ZR415	Rabbit	Z2771
Cytokeratin 5	ZR280	Rabbit	Z2595
Desmoglein-3	ZR128	Mouse	Z2438
EGFR	ZR16	Rabbit	Z2743
GLUT-1	ZR308	Rabbit	Z2585
GLUT-1	ZM137	Mouse	Z2448
HBME-1	HBME-1	Mouse	Z2233

Related Antibodies	Clone	Species	Cat. #
Mesothelin	ZM25	Mouse	Z2353
Napsin A	ZR206	Rabbit	Z2750
p40	ZR303	Rabbit	Z2733
p63	ZR439	Rabbit	Z2795
Podoplanin	ZM31	Mouse	Z2338
ROS1	ZR400	Rabbit	Z2756
Surfactant	ZM124	Mouse	Z2428
TTF-1	8G7G3/1	Mouse	Z2069



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