

### 30-1044: Anti-Cytokeratin 7+17 Monoclonal Antibody (Clone:C-46)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	C-46
<b>Application :</b>	IP
<b>Reactivity :</b>	Pig
<b>Gene :</b>	KRT17
<b>Gene ID :</b>	3872
<b>Uniprot ID :</b>	Q04695
<b>Format :</b>	Purified
<b>Alternative Name :</b>	KRT17
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Cytoskeleton preparation of HeLa human cervix carcinoma cell line.

#### Description

Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. Cytokeratins are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml, pretreatment: 0,1% pepsin, 30 min, 37°C, incubation 4°C overnight, chromogen DAB; positive tissue: pancreas.  
Western blotting: Recommended dilution: 1-2 µg/ml; positive control: HeLa cells.

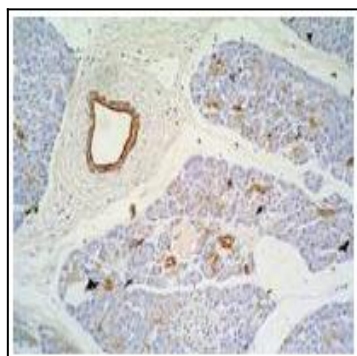


Figure-1: Immunohistochemistry staining of pancreas (paraffin-embedded sections) with anti-Cytokeratin 7+17 (C-46).

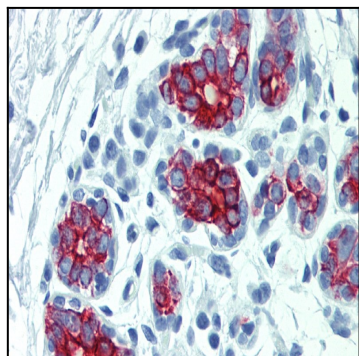


Figure-2: Immunohistochemistry staining of human breast (paraffin-embedded sections) with anti-cytokeratin 7+17 (C-46).

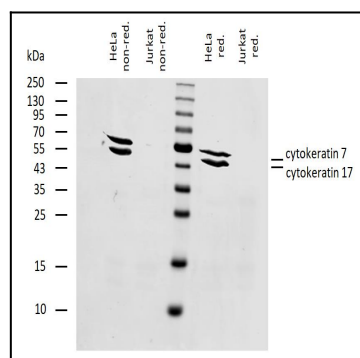


Figure-3: Western blotting analysis of human cytokeratin 7+17 using mouse monoclonal antibody C-46 on lysates of HeLa cell line and Jurkat cell line (cytokeratin non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2  $\mu$ g/ml of mouse anti-cytokeratin 7+17 monoclonal antibody C-46 followed by IRDye800-conjugated anti-mouse IgG1 secondary antibody. A specific band was detected for cytokeratin 17 at approximately 46 kDa and for cytokeratin 7 at approximately 54 kDa.