

SM3046P**Monoclonal Antibody to Cytokeratin 7 (+ KRT17) - Purified**

Alternate names:	CK-7, CK7, K-7, K7, KRT-7, KRT7, Keratin type II cytoskeletal 7, Keratin-7, SCL, Sarcolectin
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues. 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.
Uniprot ID:	P08729
NCBI:	NP_005547
GenelD:	3855
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	C-46
Immunogen:	Cytoskeleton preparation of HeLa human cervix carcinoma cell line.
Format:	State: Liquid purified Tissue Culture Supernatant (> 95% by SDS-PAGE) Purification: Affinity Chromatography on Protein A Buffer System: PBS, pH~7.4 Preservatives: 15 mM Sodium Azide
Applications:	Immunoprecipitation. Immunocytochemistry. Western Blot: 1 µg/ml <u>Sample Preparation:</u> Lysis 1% lauryl maltoside fo for 1 hour, 5x10 sec. sonication; 5 min. in hot Laemmli buffer (reducing conditions.) <u>Positive Control:</u> HeLa Human cell line. Immunohistochemistry on Paraffin Sections: 20 µg/ml. <u>Pretreatment:</u> 0.1% pepsin, 30 min, 37°C. Incubation: 4°C overnight; Chromogen DAB. <u>Positive tissue:</u> Pancreas. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody C-46 reacts with Cytokeratin peptides 7 and 17 (54 and 46 kDa). Negative Species: Mouse, Rat, Rabbit.
Species Reactivity:	Tested: Human, Porcine, Bovine.

Storage:

Store undiluted at 2-8°C.

DO NOT FREEZE!

Shelf life: one year from despatch.

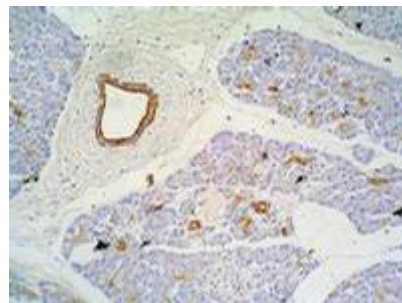
Product Citations:

Originator or purchased from resellers:

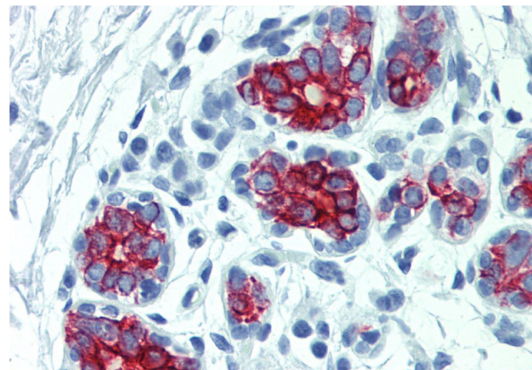
1. Vojtšek B, Stasková Z, Nenutil R, Bártková J, Kovarík J, Rejthar A, et al. A panel of monoclonal antibodies to keratin no. 7: characterization and value in tumor diagnosis. *Neoplasma*. 1990;37(3):333-42. PubMed PMID: 1695327.

Pictures:

Immunohistochemistry staining of pancreas (paraffin-embedded sections) with anti-Cytokeratin 7+17 Antibody Cat.-No SM3046P (Clone C-46).



Immunohistochemistry staining of Human breast (paraffin-embedded sections) with anti-Cytokeratin 7+17 Antibody Cat.-No SM3046P (Clone C-46).



Detection of Cytokeratin 7+17 in HeLa cell lysate with monoclonal anti-Cytokeratin 7+17 Antibody Cat.-No SM3046P (Clone C-46).

