



Antibodies

11-109-C100

Monoclonal Antibody to Cytokeratin 7+17 Purified Antibody (0.1 mg)

Clone:	C-46
Isotype:	Mouse IgG1
Specificity:	The antibody C-46 reacts with Cytokeratin peptides 7 and 17 (54 and 46 kDa). Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.
Regulatory Status:	RUO
Immunogen:	Cytoskeleton preparation of HeLa human cervix carcinoma cell line.
Species Reactivity:	Human, Porcine, Bovine
Negative Species:	Mouse, Rat, Rabbit
Application:	Immunoprecipitation Western Blotting Recommended dilution: 1 µg/ml Positive control: HeLa human cell line Sample preparation: Lysis 1% lauryl maltoside for 1 hour, 5x10 sec. sonication; 5 min. in hot Laemmli buffer (reducing conditions.) Immunohistochemistry (paraffin sections) Recommended dilution: 20 µg/ml Pretreatment: 0,1% pepsin, 30 min, 37°C Incubation: 4°C overnight Positive tissue: pancreas Application note: chromogen DAB Immunocytochemistry
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	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.
References:	*Vojtesek B, Staskova Z, Nenutil R, Bartkova J, Kovarik J, Rejthar A, Bartek J: A panel of monoclonal antibodies to keratin no. 7: characterization and value in tumor diagnosis. Neoplasma. 1990;37(3):333-42.

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EXBIO Praha | Nad Safinou II 341 | 252 50 Vestec u Prahy | Czech Republic
Tel: +420 261 090 666 | Fax: +420 261 090 660 | orders@exbio.cz | www.exbio.cz