

SM3079P**Monoclonal Antibody to Cytokeratin 8 - Aff - Purified**

Alternate names:	CK8, CYK8, Cytokeratin endo A, Cytokeratin-8, K8, KRT8, Keratin, Keratin-8, type II cytoskeletal 8
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	<p>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.</p> <p>Cytokeratin 8 belongs to the type B (basic) subfamily of high molecular weight keratins and exists in combination with cytokeratin 18. Cytokeratin 8 is primarily found in the non squamous epithelia and is present in majority of adenocarcinomas and ductal carcinomas. It is absent in squamous cell carcinomas. Hepatocellular carcinomas are defined by the use of antibodies that recognize only cytokeratin polypeptides 8 and 18.</p>
Uniprot ID:	P05787
NCBI:	NP_002264.1
GenID:	3856
Host / Isotype:	Mouse / IgG1
Clone:	C-43
Immunogen:	Cytoskeleton preparation from HeLa Human cervix carcinoma cell line.
Format:	State: Liquid purified IgG fraction (> 95% pure by SDS-PAGE) Purification: Affinity Chromatography on Protein A Buffer System: Phosphate buffered saline (PBS), pH~7.4 Preservatives: 15mM Sodium Azide
Applications:	Western Blot. Immunoprecipitation. Immunocytochemistry. Immunohistochemistry on Paraffin Sections: 20 µg/ml. Heat induced antigen retrieval in pH 6.0 citrate buffer is recommended. Positive Tissue: Prostate. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	52.5 kDa

Specificity:	The antibody C-43 reacts with Cytokeratin 8 (52.5 kDa). Negative Species: Mouse, Rat, Hamster, Chicken and Xenopus. Species: Human, Porcine, Bovine, Sheep and Rabbit. Other species not tested.
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.
Product Citations:	Originator or purchased from resellers: 1. Kovarik J. et al.: J. Tumor Marker Oncol. 5, 219 (1990). 2. Bártek J, Vojtšek B, Stasková Z, Bártková J, Kerekés Z, Rejthar A, et al. A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology. J Pathol. 1991 Jul;164(3):215-24. PubMed PMID: 1716305.
Pictures:	Formalin-Fixed, Paraffin-Embedded Human prostate stained with Cytokeratin 8 antibody Cat.-No SM3079P at 20 µg/ml after heat-induced antigen retrieval. 