

**AM02003SU-N****Monoclonal Antibody to Cytokeratin 18 - Supernatant**

<b>Alternate names:</b>	CK18, CYK18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, K18, KRT18, Keratin 18, Keratin type I cytoskeletal 18, Keratin-18
<b>Quantity:</b>	1 ml
<b>Background:</b>	Cytokeratin 18 is an acidic keratin which is found primarily in non squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but not in squamous cell carcinomas. Cytokeratin 18 exists in combination with Cytokeratin 8, a basic keratin. Hepatocellular carcinomas have been reportedly defined by the use of antibodies that recognize only Cytokeratins 8 and 18.
<b>Uniprot ID:</b>	<a href="#">P05783</a>
<b>NCBI:</b>	<a href="#">NP_000215.1</a>
<b>GenElD:</b>	<a href="#">3875</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	RGE53
<b>Immunogen:</b>	Isolated from HeLa cells
<b>Format:</b>	<b>State:</b> Liquid Culture Supernatant containing 0.09% Sodium Azide
<b>Applications:</b>	<b>Immunoblotting.</b> <b>Immunofluorescence.</b> <b>Immunohistochemistry on Frozen Sections.</b> <i>Working Dilution:</i> 1/5-1/10, dilute immediately before use with PBS or TBS. <i>Recommended Positive Control:</i> Adenocarcinoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	The antibody is useful for the discrimination of adenocarcinomas and mesotheliomas from squamous cell carcinomas and non-epithelial tumors. Clone RGE 53 specifically recognizes simple and glandular epithelial cells from the gastrointestinal tract, the respiratory tract and the urogenital tract, as well as endocrine and exocrine tissues and myoepithelial cells. In the transitional epithelium of the bladder RGE 53 reacts only with superficial (umbrella) cells. No reaction with stratified squamous epithelia. <b>Polypeptide Reacting:</b> 45 kD Keratin K18 (formerly also designated Cytokeratin 18). <b>Species:</b> Human, Mouse, Rat, Rabbit, Dog, Pig, Chicken. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Ramaekers F, Huysmans A, Moesker O, Kant A, Jap P, Herman C, et al. Monoclonal antibody to keratin filaments, specific for glandular epithelia and their tumors. Use in surgical pathology. Lab Invest. 1983 Sep;49(3):353-61. PubMed PMID: 6193333.

2. Puts, J et al. Expression of cytokeratins in early neoplasia epithelial lesions of the uterine cervix. *Int J Gyn Path* 4:300-313 (1985).
3. Smedts F, Ramaekers F, Robben H, Pruszczynski M, van Muijen G, Lane B, et al. Changing patterns of keratin expression during progression of cervical intraepithelial neoplasia. *Am J Pathol*. 1990 Mar;136(3):657-68. PubMed PMID: 1690513.