

Mouse Anti-Cytokeratin type II, AE3

Product reference no:	IQ289
Quantity:	0.2ml
Clone no:	AE3
Host/Isotype:	Mouse IgG1
Immunogen:	Human epidermal keratins
Myeloma/fusion partners:	P3 x 63 Ag8 myeloma cells
Specificity:	All basic (type II) human keratins K1, K2, K3, K4, K5, K6, K7, K8
Purification:	Protein G purified
Format:	Purified antibody containing PBS + 0.1% sodium azide
Applications:	works very well for immunoblotting and for immunohistochemical staining of paraffin section and EM-localization
Dilutions:	Optimal antibody dilution should be determined by titration, however as guideline try at 1:1000-1:3000 for western blot
Technical notes:	Use bovine serum albumin (instead of milk which containing some keratins) to block nonspecific binding to immunoblots
References:	<p>Tseng, S. C., Jarvinen, M. J., Nelson, W. G., Huang, J. W., Woodcock, M. J., and Sun, T.-T. (1982). Correlation of specific keratins with different types of epithelial differentiation: monoclonal antibody studies. <i>Cell</i> 30, 361-372.</p> <p>Woodcock-Mitchell, J., Eichner, R., Nelson, W. G., and Sun, T.-T. (1982). Immunolocalization of keratin polypeptides in human epidermis using monoclonal antibodies. <i>Journal of Cell Biology</i> 95, 580-588.</p> <p>Sun, T.-T., Eichner, R., Cooper, D., Schermer, A., Nelson, W. G., and Weiss, R. A. (1984). Classification, expression, and possible mechanisms of evolution of mammalian epithelial keratins: a unifying model. In <i>The Cancer Cell: The Transformed Phenotype</i>, A. Levine, W. Topp, G. Vande Woude, and J. D. Watson, eds. (New York, Cold Spring Harbor Lab.), pp. 169-176.</p> <p>Weiss, R. A., Eichner, R., and Sun, T.-T. (1984). Monoclonal antibody analysis of keratin expression in epidermal diseases: a 48- and 56-kdalton keratin as</p>

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molecular markers for hyperproliferative keratinocytes. *Journal of Cell Biology* 98, 1397-1406.

Cooper, D., Schermer, A., and Sun, T.-T. (1985). Classification of human epithelia and their neoplasms using monoclonal antibodies to keratins: strategies, applications, and limitations. [Review]. *Laboratory Investigation* 52, 243-256.

Cooper, D., and Sun, T.-T. (1986). Monoclonal antibody analysis of bovine epithelial keratins. Specific pairs as defined by coexpression. *Journal of Biological Chemistry* 261, 4646-4654.

Schermer, A., Galvin, S., and Sun, T.-T. (1986). Differentiation-related expression of a major 64K corneal keratin in vivo and in culture suggests limbal location of corneal epithelial stem cells. *Journal of Cell Biology* 103, 49-62

Storage:

Store at +4°C for one month, or in small aliquots at -20°C for longer periods. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody

Health & Safety:

Products that contain sodium azide (a poisonous and hazardous substance) should be handled by trained staff only.