

Polyclonal Antibody to HSPC210 - Aff - Purified

Catalog No.:	15-288-21293
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	Cytokeratin 3 belongs to the intermediate filament family. It is a type II cytokeratin and is specifically expressed in the corneal epithelium. Cytokeratin 3 associates with Cytokeratin 12. Defects in Cytokeratin 3 are a cause of Meesmann corneal dystrophy.
Host / Isotype:	Chicken
Immunogen:	Human epithelial keratin
Format:	State: Liquid purified IgG fraction. Purification: Ion Exchange Chromatography. Buffer System: PBS, pH 7,2 containing 0.09% Sodium Azide as preservative.
Applications:	Immunoblotting: 1/500. Immunohistochemistry on Frozen Sections: 1/50 (1h at RT). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Cytokeratin 3 antibody, clone AE5 represents an excellent marker for corneal type differentiation. Positive for epithelial cells of cornea, snout and some oral mucosa. This antibody has been used for studying corneal epithelial stem cells. Polypeptide Reacting: Mr 64 000 polypeptide (Keratin K3; formerly also designated Cytokeratin 3) of human corneal epithelium and Keratin K76 (formerly also designated Cytokeratin K2p) of palate epithelium. Reactivities on Cultured Cell Lines: Rabbit corneal epithelial cells. In Cow and Rabbit it reacts with lip and snout epithelia.
Species Reactivity:	Tested: Human, Rabbit and Bovine.
Storage:	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.
General References:	1. Cooper, D., Schermer, A. and Sun, T.-T.: Classification of human epithelia and their neoplasms using monoclonal antikeratin antibodies: Strategies, applications and limitations. Lab. Invest. 52, 243-256 (1985). 2. Moll, R., Franke, W.W., Schiller, D.L., Geiger, B. and Krepler, R.: The catalog of human cytokeratins: Patterns of expression in normal epithelia, tumors and cultured cells. Cell 31, 11-24 (1982) 3. Schermer, A., Galvin, S. and Sun, T.-T.: Differentiation-related expression of a major 64 K

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

corneal keratin in vivo and in culture suggests limbal location of corneal epithelial stem cells. J. Cell Biol. 103, 49-62 (1986).

4. Sun, T.-T., Eichner, R., Cooper, D., Schermer, A., Nelson, W.G. and Weiss, R.A.: Classification, expression and possible mechanisms of evolution of mammalian epithelial keratins: A unifying model. The Cancer Cell 1, 169-176. (1984)