

AP33141SU-N**Polyclonal Antibody to basic Cytokeratin (KRT81-86) - Serum**

Quantity:	0.1 ml
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.
Host:	Guinea Pig
Immunogen:	Synthetic peptide common to Human type II (basic) hair (trichocytic) keratins K81-K86 (former designation hHb1- hHb6) coupled to KLH AA Sequence: VNVCVSSSRGGVV-C
Format:	State: Liquid Stabilized Antiserum Preservatives: 0.09% Sodium Azide
Applications:	Immunoblotting (Western blot): 1/1,000 (ECL). Immunofluorescence Microscopy on Frozen Sections. Immunohistochemistry on Frozen Sections: 1/100. Immunohistochemistry on Paraffin Embedded Sections: 1/100 (after microwave pretreatment). <i>Incubation Time:</i> 1 h at RT. Note: For enhancement of staining preincubate fixed sections with 0.1 Triton X-100 (in PBS) for 1–5 min prior to first antibody incubation step. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antiserum stains specifically Human hair keratins K81-K86 present in the hair cortex, hair cuticle and tumors derived therefrom.
Species Reactivity:	Tested: Human and Mouse.
Storage:	Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch.
General Readings:	1. Langbein L, Rogers MA, Winter H, Praetzel S, Schweizer J. The catalog of human hair keratins. II. Expression of the six type II members in the hair follicle and the combined catalog of human type I and II keratins. <i>J Biol Chem.</i> 2001 Sep 14;276(37):35123-32. Epub 2001 Jul 9. PubMed PMID: 11445569. 2. Langbein L, Schweizer J. Keratins of the human hair follicle. <i>Int Rev Cytol.</i> 2005;243:1-78. PubMed PMID: 15797458.