

BP5085**Polyclonal Antibody to Keratin-34 (KRT34) - Serum**

Alternate names:	HHA4, HKA4, Hair keratin, KRT-34, KRTHA4, Keratin, Keratin34, type I Ha4, type I cuticular Ha4
Quantity:	0.1 ml
Background:	KRT34 is a type I hair keratin. Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins are acidic proteins and are usually found as a heterotetramer with two molecules of a type II keratin.
Uniprot ID:	O76011
NCBI:	NP_066293.2
GenelD:	100653049
Host:	Guinea Pig
Immunogen:	Synthetic peptide of human acidic hair (trichocytic) keratin K34 (formerly also designated keratin hHa4; GPC GTS QKG CCN), coupled to KLH.
Format:	State: Liquid serum contains 0.09% sodium azide
Applications:	Immunoblotting: 1 : 2,000, ECL method. Immunohistochemistry on frozen sections: 1/200; 1h at RT. NOTE: For enhancement of cortex 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 keratin K34 expressed in the upper hair cortex cells. Reacts with human and mouse. Species: Human, Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.
General Readings:	1. Langbein L, Rogers M, Winter H, Prätzel S, Beckhaus U, Rackwitz HR, Schweizer J: The catalog of human hair keratins: I. Expression of nine type I members in the hair follicle. J Biol Chem 274, 19874-19893 (1999) 2. Langbein L, Spring H, Rogers MA, Praetzel S, Schweizer J. Hair keratins and hair follicle-specific epithelial keratins. Methods Cell Biol. 2004;78:413-51. PubMed PMID: 15646627.