

BP5096**Polyclonal Antibody to Cytokeratin 71 - Serum****Alternate names:**

CK71, Cytokeratin-71, K6IRS1, K71, KB34, KRT6IRS1, KRT71, Keratin, Keratin 6 irs, Keratin-71, Type II inner root sheath-specific keratin-K6irs1, Type II keratin-34, hK6irs, type II cytoskeletal 71

Quantity:

0.1 ml

Uniprot ID:

[Q3SY84](#)

NCBI:

[NP_258259.1](#)

GenelD:

[112802](#)

Host:

Guinea Pig

Immunogen:

Synthetic peptide of Human keratin K71 (formerly also designated keratin K6irs1) coupled to KLH.

AA Sequence:

C-GGE GRS RGS AND YKD T

Format:

State: Liquid stabilized serum

Preservatives: 0.09% Sodium Azide

Stabilizers: 0.5% BSA

Applications:

Immunoblotting: 1/2000 for Western Blotting (ECL method).

Immunohistochemistry on Frozen Sections: 1/100-1/200.

Incubation Time: 1h at RT.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Specific for Human Keratin K71 (57.3 kD polypeptide; calculated from sequence data). The antiserum stains specifically the Henle, Huxley and cuticle layer of the inner root sheath (irs) of the hair follicle. Although there is a considerable sequence homology of Keratin K71 to Keratins K5 and K6, no cross-reactivity was observed with Western blotting and Immunofluorescence Microscopy.

Species Reactivity:

Tested: Human, Mouse.

Storage:

Store 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 Readings:

- Langbein L, Rogers MA, Praetzel S, Aoki N, Winter H, Schweizer J. A novel epithelial keratin, hK6irs1, is expressed differentially in all layers of the inner root sheath, including specialized huxley cells (Flügelzellen) of the human hair follicle. *J Invest Dermatol.* 2002 May;118(5):789-99. PubMed PMID: 11982755.
- Langbein L, Rogers MA, Praetzel S, Winter H, Schweizer J. K6irs1, K6irs2, K6irs3, and K6irs4 represent the inner-root-sheath-specific type II epithelial keratins of the human hair follicle. *J Invest Dermatol.* 2003 Apr;120(4):512-22. PubMed PMID: 12648212.
- 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.