

# Product Datasheet

## Cytokeratin 71 Antibody - BSA Free NBP2-17040

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/23/2025 v.20.1

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**NBP2-17040**

Cytokeratin 71 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	0.1M Tris-Glycine (pH7), 20% Glycerol
<b>Target Molecular Weight</b>	57 kDa

**Product Description**

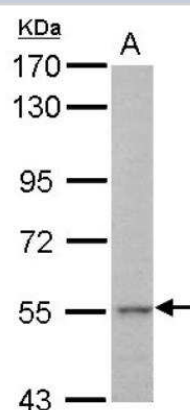
<b>Host</b>	Rabbit
<b>Gene ID</b>	112802
<b>Gene Symbol</b>	KRT71
<b>Species</b>	Human, Sheep
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 25705371).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Cytokeratin 71. The exact sequence is proprietary.

**Product Application Details**

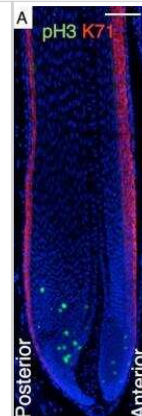
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

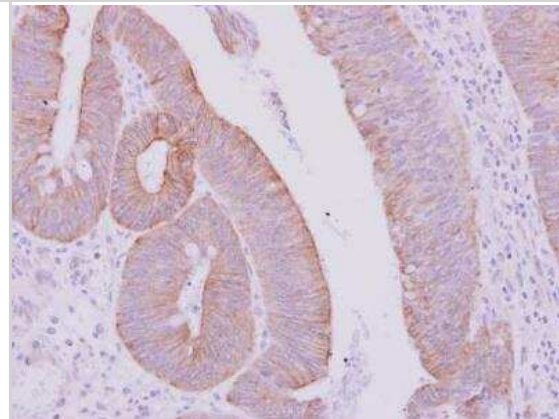
Western Blot: Cytokeratin 71 Antibody [NBP2-17040] - Cytokeratin 71 Sample (30 ug of whole cell lysate) A: HepG2 7. 5% SDS PAGE gel, diluted at 1:5000.



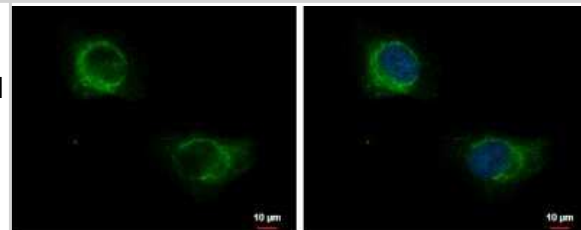
Immunocytochemistry/Immunofluorescence: Cytokeratin 71 Antibody [NBP2-17040] - Densities of proliferating and apoptotic cells in a spine follicle. Longitudinal sections of a 28-day-old *Acomys*. pH3 (green), K71 (red), and Hoechst (blue) immunostaining. Image collected and cropped by CiteAb from the following publication ([evodevojournal.biomedcentral.com/articles/10.1186/2041-9139-5-33](https://evodevojournal.biomedcentral.com/articles/10.1186/2041-9139-5-33)), licensed under a CC-BY license.



Immunohistochemistry-Paraffin: Cytokeratin 71 Antibody [NBP2-17040] - Colon carcinoma. KRT71 antibody [N3C3] dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.

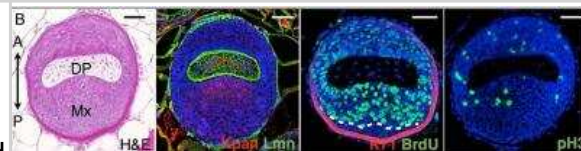


Immunocytochemistry/Immunofluorescence: Cytokeratin 71 Antibody [NBP2-17040] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: KRT71 protein stained by KRT71 antibody [N3C3] diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10  $\mu$ m.

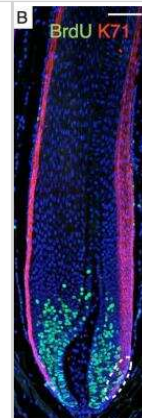


Immunocytochemistry/Immunofluorescence: Cytokeratin 71 Antibody [NBP2-17040] - Observed and simulated cell proliferation and cell death along a spine follicle. Transverse sections (28-day-old *Acomys*) are taken along the spine long axis, from the basis of the follicle (rows A-C), to the DP-medulla transition (rows D-E), to the collapse of the keratinized medulla (rows F-G). H&E, Hematoxylin and Eosin staining.

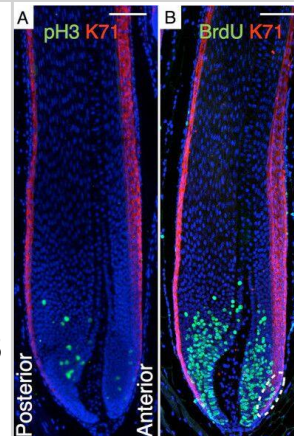
Immunostaining: Kpan, Pan-Keratin (red); Lmn, Laminin (green); BrdU, 5-bromo-2'-deoxyuridine (green); K71, keratin 71 (red); pH3, phospho-Histone H3 (green); TUNEL (red), Hoechst (blue). Arrows: IRS, DP: dermal papilla, Mx: matrix, C: cortex, M: medulla. Simulated transverse sections (Sim) are snapshots of the Supplementary Movie 2 showing time evolution of a simulated follicle. Scale bars: 50  $\mu$ m. Image collected and cropped by CiteAb from the following publication ([evodevojournal.biomedcentral.com/articles/10.1186/2041-9139-5-33](https://evodevojournal.biomedcentral.com/articles/10.1186/2041-9139-5-33)), licensed under a CC-BY license.



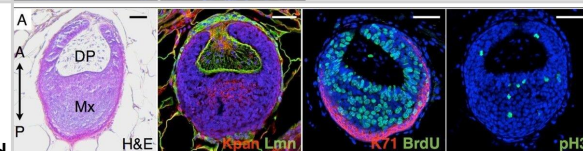
Immunocytochemistry/Immunofluorescence: Cytokeratin 71 Antibody [NBP2-17040] - Densities of proliferating and apoptotic cells in a spine follicle. Longitudinal sections of a 28-day-old *Acomys*. BrdU (green), K71 (red), and Hoechst (blue) immunostaining. Image collected and cropped by CiteAb from the following publication ([evodevojournal.biomedcentral.com/articles/10.1186/2041-9139-5-33](https://evodevojournal.biomedcentral.com/articles/10.1186/2041-9139-5-33)), licensed under a CC-BY license.



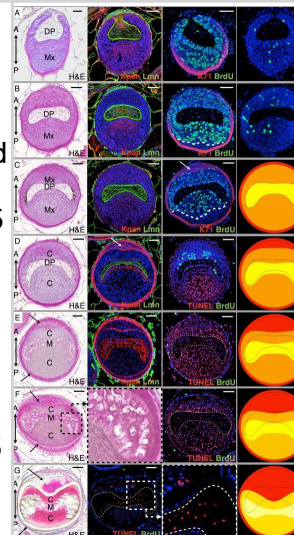
Immunocytochemistry/ Immunofluorescence: Cytokeratin 71 Antibody [NBP2-17040] - Densities of proliferating & apoptotic cells in a spine follicle. Longitudinal sections of a 28-day-old *Acomys*. (A) pH3 (green), K71 (red), & Hoechst (blue) immunostaining. (B) BrdU (green), K71 (red), & Hoechst (blue) immunostaining. (C) BrdU (green), TUNEL (red), & Hoechst (blue) immunostaining. (D–F) Color-coded local relative densities in a radius that corresponds to 3% of the image diagonal (blue: low density, red: high density) of cells labelled with Hoechst (D), BrdU (E), & TUNEL (F). Scale bars: 100  $\mu$ m. Image collected & cropped by CiteAb from the following publication (<https://evodevojournal.biomedcentral.com/articles/10.1186/2041-9139-5-33>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Immunocytochemistry/ Immunofluorescence: Cytokeratin 71 Antibody [NBP2-17040] - Observed & simulated cell proliferation & cell death along a spine follicle. Transverse sections (28-day-old *Acomys*) are taken along the spine long axis, from the basis of the follicle (rows A–C), to the DP-medulla transition (rows D–E), to the collapse of the keratinized medulla (rows F–G). H&E, Hematoxylin & Eosin staining. Immunostaining: Kpan, Pan-Keratin (red); Lmn, Laminin (green); BrdU, 5-bromo-2'-deoxyuridine (green); K71, keratin 71 (red); pH3, phospho-Histone H3 (green); TUNEL (red), Hoechst (blue). Arrows: IRS, DP: dermal papilla, Mx: matrix, C: cortex, M: medulla. Simulated transverse sections (Sim) are snapshots of the Supplementary Movie 2 showing time evolution of a simulated follicle. Scale bars: 50  $\mu$ m. Image collected & cropped by CiteAb from the following publication (<https://evodevojournal.biomedcentral.com/articles/10.1186/2041-9139-5-33>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

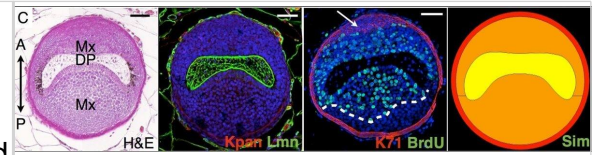


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## Publications

Montandon Sophie A, Tzika Athanasia C, Martins Antonio F, et al. Two waves of anisotropic growth generate enlarged follicles in the spiny mouse. *Evodevo*. 2014-09-25 [PMID: 25705371] (Mouse)





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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00112802-P01-10ug	Recombinant Human Cytokeratin 71 GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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