

Product Datasheet

Cytokeratin 71 Antibody NBP2-17040

Unit Size: 0.1 ml

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

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Publications: 1

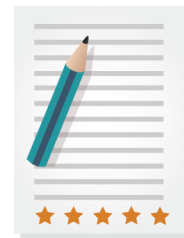
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NBP2-17040**Cytokeratin 71 Antibody****Product Information**

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

Product Description

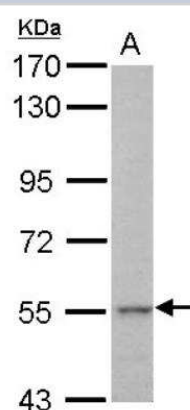
Host	Rabbit
Gene ID	112802
Gene Symbol	KRT71
Species	Human, Sheep
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25705371).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Cytokeratin 71. The exact sequence is proprietary.

Product Application Details

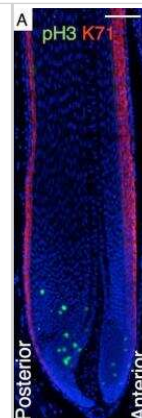
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

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.



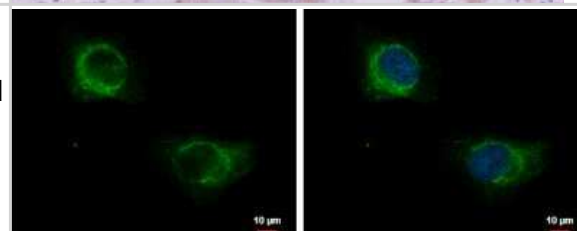
Immunocytochemistry/Immunofluorescence: Cytokeratin 71 Antibody [NBP2-17040] - Densities of proliferating and apoptotic cells in a spine follicle. Longitudinal sections of a 28-day-old *Acomys*. pH3 (green), K71 (red), and Hoechst (blue) immunostaining. Image collected and cropped by CiteAb from the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

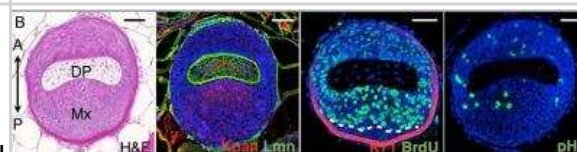


Immunocytochemistry/Immunofluorescence: Cytokeratin 71 Antibody [NBP2-17040] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: KRT71 protein stained by KRT71 antibody [N3C3] diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 μ m.

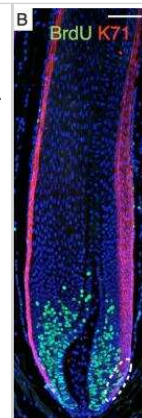


Immunocytochemistry/Immunofluorescence: Cytokeratin 71 Antibody [NBP2-17040] - Observed and simulated cell proliferation and cell death along a spine follicle. Transverse sections (28-day-old *Acomys*) are taken along the spine long axis, from the basis of the follicle (rows A-C), to the DP-medulla transition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

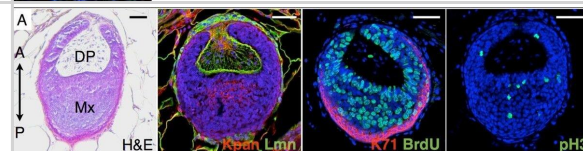
Immunostaining: Kpan, Pan-Keratin (red); Lmn, Laminin (green); BrdU, 5-bromo-2'-deoxyuridine (green); K71, keratin 71 (red); pH3, phospho-Histone H3 (green); TUNEL (red), Hoechst (blue). Arrows: IRS, DP: dermal papilla, Mx: matrix, C: cortex, M: medulla. Simulated transverse sections (Sim) are snapshots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



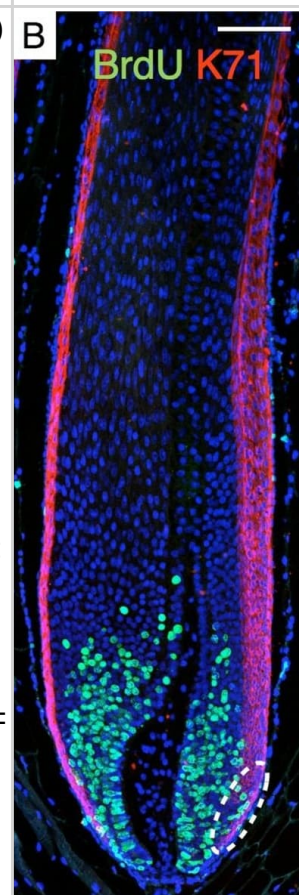
Immunocytochemistry/Immunofluorescence: Cytokeratin 71 Antibody [NBP2-17040] - Densities of proliferating and apoptotic cells in a spine follicle. Longitudinal sections of a 28-day-old *Acomys*. BrdU (green), K71 (red), and Hoechst (blue) immunostaining. Image collected and cropped by CiteAb from the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



Reduced levels of NADPH oxidases 1 and 4 at 18% versus 5% O₂. (a) Representative Western blots showing Nox1 and β -tubulin in PC-3 cells or Nox4 and β -tubulin in C2C12 cells, at 5% and 18% O₂. (b, c) Average Nox1 signal (b) or Nox4 signal (c) standardized to β -tubulin. Total cellular proteins were extracted by treating cells with NP-40 buffer (150 mM NaCl, 1% NP-40, 50 mM Tris-HCl pH 8.0). Total protein (15 μ g per sample) was resolved on 10% SDS-PAGE, transferred to a polyvinylidene difluoride membrane, and probed for Nox1 or Nox4. β -Tubulin was used as an internal loading and transfer control. All antibodies were purchased from Novus Biologicals; Nox1 (NBP1-31546), Nox4 (NB110-5885), β -tubulin (NB600-936). Data were analysed using two-tailed Student's t-tests. Bars represent means $\pm$ SEM from at least five independent experiments. $\square p < 0.05$. The identities of bands at intermediate molecular weight are unknown. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/30363917>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



ERK1/2 activity is transducer of CYR61 mediated S100A4 regulation. (A) Scheme illustrating hypothesis of CYR61 regulating S100A4 in a p-ERK1/2 dependent manner. (B) ERK1/2 and p-Erk1/2 (Thr202/Tyr204) expression in different breast cancer cell lines detected by western blotting. (C) ERK1/2 and p-Erk1/2 (Thr202/Tyr204) and CYR61 expression in different breast cancer cell lines after transient CYR61 transfection detected by western blotting. (D) Relative S100A4 expression of invasive breast cancer cell lines treated with 10 μ M U0126 compared to DMSO controls. Data represent mean $\pm$ SEM. Using unpaired, two-tailed t-test analysis. $n = 3$; $*P < 0.05$; $**P < 0.01$; $***P < 0.005$ (E) 3D invasion analysis of breast cancer spheroids seeded after U0126 treatment. Spheroid area was assessed 48 h after adding Matrigel using polygonal selection and compared to spheroid area at time point 0 (adding of Matrigel + 10 μ M U0126). Area growth was compared to area growth of control spheroids. Data represent mean $\pm$ SEM. Using unpaired, two-tailed t-test analysis. MCF-7-EMT $n = 6$; T47D-EMT $n = 5$; MDA-MB-231 $n = 6$; HCC1806 $n = 5$; $**P < 0.01$; $***P < 0.005$; $****P < 0.0001$ (F) Analysis of relative AlamarBlue reduction as indicator for cell viability. Breast cancer cell spheroids were grown and AlamarBlue reduction was assessed 48 h after adding Matrigel and 10 μ M U0126 at 4 h incubation. Relative AlamarBlue reduction was calculated compared to DMSO control spheroids. Data represent mean $\pm$ SEM. MCF-7-EMT $n = 3$; T47D-EMT $n = 4$; MDA-MB-231 $n = 3$; HCC1806 $n = 3$; $*P < 0.05$; $**P < 0.01$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/31709177>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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

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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