

Resource Summary Report

Generated by [NIF](#) on Aug 7, 2026

Vimentin (phospho S55) antibody [4A4]

RRID:AB_447222

Type: Antibody

Proper Citation

Abcam Cat# ab22651, RRID:AB_447222

Antibody Information

URL: http://antibodyregistry.org/AB_447222

Proper Citation: Abcam Cat# ab22651, RRID:AB_447222

Target Antigen: Vimentin (phospho S55) antibody [4A4]

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012:2b;2 ELISA, ICC/IF, IHC-Fr, IHC-P, WB; Immunohistochemistry; ELISA; Immunohistochemistry - frozen; Immunocytochemistry; Immunohistochemistry - fixed; Western Blot; Immunofluorescence

Antibody Name: Vimentin (phospho S55) antibody [4A4]

Description: This monoclonal targets Vimentin (phospho S55) antibody [4A4]

Target Organism: rat, mouse, other mammalian, human, ferret

Antibody ID: AB_447222

Vendor: Abcam

Catalog Number: ab22651

Record Creation Time: 20250819T225730+0000

Record Last Update: 20250820T035029+0000

Ratings and Alerts

No rating or validation information has been found for Vimentin (phospho S55) antibody [4A4].

No alerts have been found for Vimentin (phospho S55) antibody [4A4].

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Wimmer R, et al. (2026) Two translocation mechanisms drive neural stem cell dissemination into the human fetal cortex. *Neuron*, 114(12), 2165.

Ribeiro JH, et al. (2025) A human-specific, concerted repression of microcephaly genes contributes to radiation-induced growth defects in cortical organoids. *iScience*, 28(2), 111853.

Arceneaux JS, et al. (2024) Multiparameter quantitative analyses of diagnostic cells in brain tissues from tuberous sclerosis complex. *Cytometry. Part B, Clinical cytometry*.

Cubillos P, et al. (2024) The growth factor EPIREGULIN promotes basal progenitor cell proliferation in the developing neocortex. *The EMBO journal*, 43(8), 1388.

Xing L, et al. (2021) Expression of human-specific ARHGAP11B in mice leads to neocortex expansion and increased memory flexibility. *The EMBO journal*, 40(13), e107093.

Shao W, et al. (2020) Centrosome anchoring regulates progenitor properties and cortical formation. *Nature*, 580(7801), 106.

Morrow CS, et al. (2020) Vimentin Coordinates Protein Turnover at the Aggresome during Neural Stem Cell Quiescence Exit. *Cell stem cell*, 26(4), 558.

Xing L, et al. (2020) Serotonin Receptor 2A Activation Promotes Evolutionarily Relevant Basal Progenitor Proliferation in the Developing Neocortex. *Neuron*, 108(6), 1113.

Journiac N, et al. (2020) Cell Metabolic Alterations due to Mcph1 Mutation in Microcephaly. *Cell reports*, 31(2), 107506.

Kalebic N, et al. (2019) Neocortical Expansion Due to Increased Proliferation of Basal Progenitors Is Linked to Changes in Their Morphology. *Cell stem cell*, 24(4), 535.

Nakagawa N, et al. (2019) Memo1-Mediated Tiling of Radial Glial Cells Facilitates Cerebral Cortical Development. *Neuron*, 103(5), 836.

Tejero R, et al. (2019) Gene signatures of quiescent glioblastoma cells reveal mesenchymal shift and interactions with niche microenvironment. *EBioMedicine*, 42, 252.

Kostic M, et al. (2019) YAP Activity Is Necessary and Sufficient for Basal Progenitor Abundance and Proliferation in the Developing Neocortex. *Cell reports*, 27(4), 1103.

Kalebic N, et al. (2018) Human-specific ARHGAP11B induces hallmarks of neocortical expansion in developing ferret neocortex. *eLife*, 7.

Long KR, et al. (2018) Extracellular Matrix Components HAPLN1, Lumican, and Collagen I Cause Hyaluronic Acid-Dependent Folding of the Developing Human Neocortex. *Neuron*, 99(4), 702.

Del Toro D, et al. (2017) Regulation of Cerebral Cortex Folding by Controlling Neuronal Migration via FLRT Adhesion Molecules. *Cell*, 169(4), 621.