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PRODUCT DATASHEET

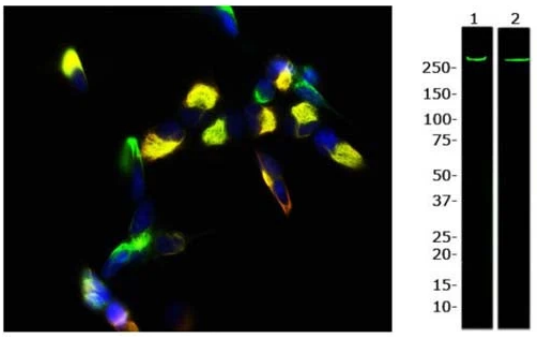
Anti-Nestin Antibody

Product Details

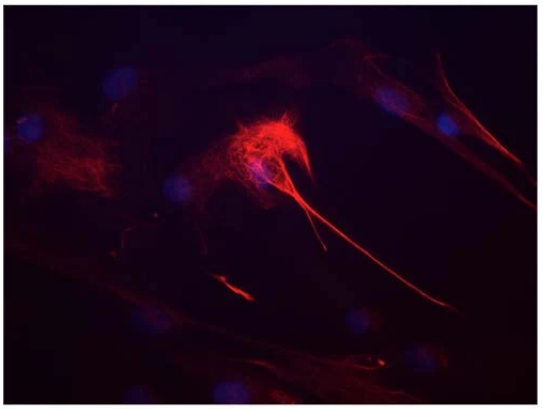
Available Variants	50 µL (SKU:C-1812-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, WB
Dilution Ranges	WB: 1:1000-1:5000 ICC: 1:2000-1:5000
Species Reactivity	Human, Rat
Immunogen	Part of recombinant human protein (amino acids 315-630).
Specificity	Reacts with human and rat. Other species not tested.
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C. After reconstitution divide into aliquots and store at -20°C for long-term storage. Store at 2-8°C short-term (up to 4 weeks) with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles.
UniProt ID	P48681
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).

Usage Statement For research use only.

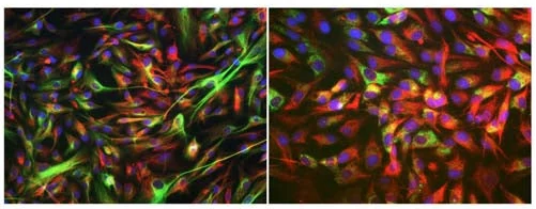
Product Images



Left: SH-SY5Y neuroblastoma cells stained with chicken antibody to Nestin (green, 1:2,000) and rabbit antibody to Vimentin (R-1699-100, red, 1:2,000) by **Immunocytochemistry**. Vimentin is main partner of nestin forming heterodimers, further polymerizing to form intermediate filaments. Co-localization of vimentin and nestin in cells is shown in yellow. Blue: DAPI staining of nuclear DNA. Right: **Western blot** analysis of nestin expression in rat C6 (Lane 1) and human SH-SY5Y (Lane 2) cell lysates. The antibody (1:1,000) detects one specific band running at ~260 kDa corresponding to full-length nestin protein.



Nestin staining (red) in human mesenchymal stem cells by **Immunocytochemistry**. Primary antibody dilution: 1:3,000. Image courtesy of QBM Cell Science.



Nestin staining (red) in normal human atrial cardiac fibroblasts (3DIV) by **Immunocytochemistry**, using chicken antibody to nestin, C-1812-50. Green: beta-tubulin (left), anti-fibroblast antibody (right). Blue: cell nuclei. Image courtesy of QBM Cell Science.