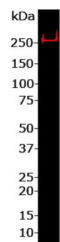
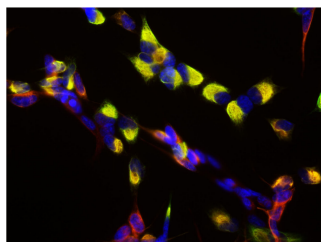


Rabbit antibody to human nestin: whole serum

Catalogue No.:	R-1811-100
Description:	Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division. Required for survival, renewal and mitogen-stimulated proliferation of neural progenitor cells (By similarity). Ref: uniprot.org
Batch No.:	See product label.
Unit size:	100 μ L
Antigen:	Part of recombinant human protein (amino acids 315-630).
Accession:	P48681 (NEST_HUMAN)
Produced in:	Rabbit
Purity:	Whole serum
Applications:	Western blotting (1:1,000-1:5,000) and Immunocytochemistry (1:5,000). Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	Reacts with human. Other species not tested.
Form:	Lyophilised, without preservatives.
Reconstitution:	Spin vial briefly before opening. Reconstitute in 100 μ L sterile water. Centrifuge to remove any insoluble material. Final buffer contains no preservatives.
Storage:	Store lyophilised 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.
Expiry Date:	12 months after purchase if unopened.



Left: SH-SY5Y neuroblastoma cells stained with rabbit antibody to Nestin (red, 1:5,000) and chicken antibody to Vimentin (C-1409-50, green, 1:10,000) 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 SH-SY5Y cell lysate. The antibody (1:2,000) detects one specific band running at \sim 260 kDa corresponding to full-length nestin protein.

FOR RESEARCH USE ONLY