

Anti-Nestin Antibody

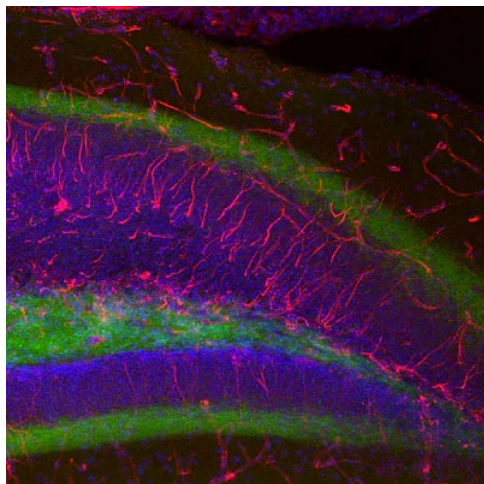


Product Details

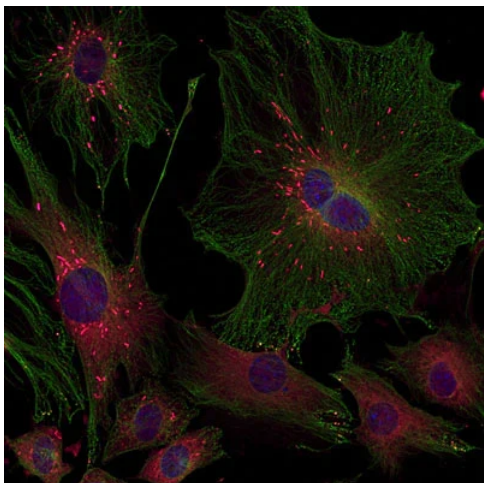
Available Variants	1000 µL (SKU:NES) 100 µL (SKU:NES-0020)
Isotype	IgY
Gene Name	NES Nbla00170
Host Species	Chicken
Concentration	300 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with three synthetic peptide / keyhole limpet hemocyanin (KLH) conjugates. These synthetic peptides corresponded to different regions of the mouse nestin gene product (NM_NP_057910), but are shared with the rat (NM_012987, NCBI) protein sequence. After repeated injections, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column, and the concentrations of the eluates adjusted to 300 µg/mL. Finally, equal volumes of each of the three affinity-purified anti-peptide antibodies were mixed, and the preparation was filtersterilized.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:10000-1:20000 IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Mouse, Rat
Immunogen	Synthetic peptides

Molecular Weight	250 kDa
Quality Control	Each of the three antibodies were analyzed by immunohistochemistry (at a dilution of 1:20000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least 12 months (provided they remain sterile). Do not freeze these antibodies unless you want to store them for longer periods of time. Note, however, that each time an antibody preparation is frozen, about half of its binding activity is lost.
Antibody Registry ID	AB_2314882
UniProt ID	<u>P48681</u>
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

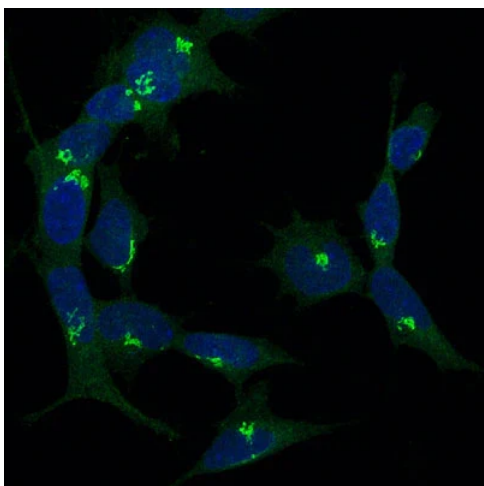
Product Images



Photomicrograph of a paraffin-embedded tissue section through an adult dentate gyrus of the hippocampal formation from a paraformaldehyde-fixed (4%) mouse brain. Red shows nestin immunoreactivity (1:1000) as visualized with a Texas Red goat anti-chicken IgY antibody (Aves Labs, 1:500). Green is staining of the granule cells; blue is DAPI nuclear staining. Page Balich, Univ. Arizona.



Photomicrograph of 3T3 cells in culture. Nestin immunoreactivity (red staining, 1:1000 dilution); green is β -Tubulin 3 staining using a rabbit antibody (1:500); blue is DAPI nuclear staining. Page Balich, Univ. Arizona.



Immunocytochemistry showing nestin immunoreactivity (green; 1:1000 dilution) in A7r5 neuroblastoma cells in culture. Blue is DAPI nuclear staining. Page Balich, Univ. Arizona.

Product Page URL: www.antibodiesinc.com/products/anti-nestin-antibody-nes



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