

Anti-Nestin Antibody



Product Details

Available Variants	100 µL (SKU:1435-NES) 25 µL (SKU:1435-NES _t)
Conjugate	Unconjugated
Isotype	IgG1
Clone	4D11
Gene Name	NES
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 50% glycerol and 5 mm NaN ₃
Production Notes	Protein G purified culture supernatant
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:2000 WB Brain: 1:2000 IHC: 1:500 ICC: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	Recombinant human Nestin expressed in and purified from E. coli.
Specificity	Specific for endogenous levels of the ~220-240 kDa nestin doublet.
Molecular Weight	220-240 kDa
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

-20°C.

Antibody Registry ID AB_2492158

UniProt ID [P48681](#)

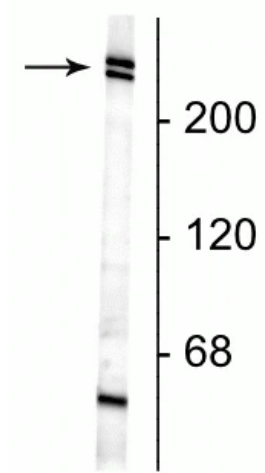
Shipping Blue Ice

Expiration After date of receipt, stable for at least 1 year at -20°C.

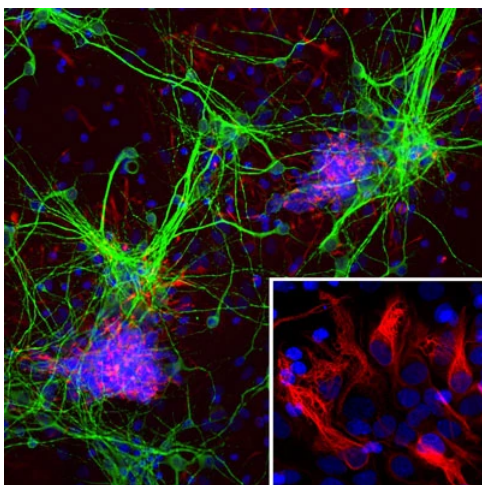
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NCBI Gene ID 10763

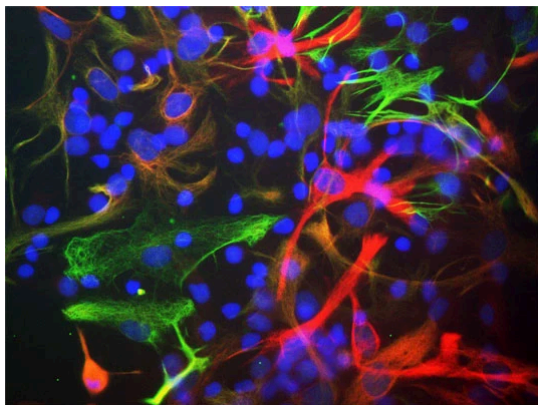
Product Images



Western blot of neonatal rat brain lysate showing specific immunolabeling of the ~220-240 kDa nestin doublet.



Immunostaining of cultured E20 rat cortical neurons and glia stained with anti-nestin antibody (Cat. 1435-NES, red, 1:500) and anti-MAP2 antibody (Cat. 1100-MAP2, green, 1:500). The blue is Hoechst staining for nuclear DNA. The nestin antibody labels developing astrocytes and neuronal stem cells in a clearly filamentous fashion, while the MAP2 antibody stains dendrites and perikarya of mature neurons.



Immunostaining of cultured neonatal rat neurons and glia stained with anti-nestin antibody (Cat. 1435-NES, red, 1:500) and anti-vimentin antibody (Cat. 2105-VIM, green, 1:500). The blue is Hoechst staining for nuclear DNA. Astrocytes and neuronal stem cells stain strongly and specifically in a clearly filamentous fashion with the anti-Nestin antibody. The presence of Nestin indicates that the cells are developing astrocytes, neuroblasts or undifferentiated neural stem cells.

Product Page URL: www.antibodiesinc.com/products/anti-nestin-antibody-1435-nes



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