

Anti-NES antibody [4D11] (STJA0003696)

STJA0003696

GENERAL INFORMATION

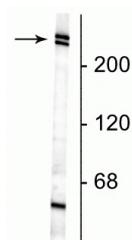
Product Type	Primary antibodies
Short Description	Mouse monoclonal antibody anti-Nestin is suitable for use in Western Blot, Immunohistochemistry and Immunocytochemistry research applications.
Applications	WB/IHC/ICC
Host/Source	Mouse
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

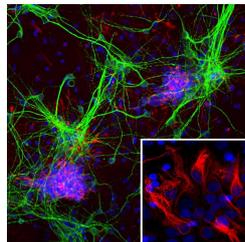
Clonality	Monoclonal
Clone ID	4D11
Concentration	
Conjugation	Unconjugated
Purification	This antibody was protein g purified culture from supernatant.
Dilution Range	WB 1:2000 IHC 1:500 ICC 1:500
Formulation	100 ul in PBS + 50% Glycerol and 5 mm Sodium Azide
Isotype	IgG1
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

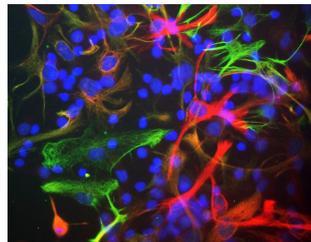
Gene ID	10763
Gene Symbol	NES
Uniprot ID	NEST_HUMAN
Immunogen	Recombinant human Nestin expressed in and purified from E. coli.
Immunogen Region	
Specificity	
Immunogen Sequence	



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 (STJA0003696, red, 1:500) and anti-MAP2 antibody (STJA0003676, 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 (STJA0003696, red, 1:500) and anti-vimentin antibody (STJA0003823, 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.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.
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