

ARG10752 anti-Nestin antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Chicken Polyclonal antibody recognizes Nestin
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-Fr, WB
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Target Name	Nestin
Species	Human
Immunogen	Synthetic peptide around aa. 315-630 of Human Nestin.
Conjugation	Un-conjugated
Alternate Names	NES; Nestin FLJ21841; Nbla00170

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:500 - 1:1000
	IHC-Fr	1:500 - 1:1000
	WB	1:1000 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

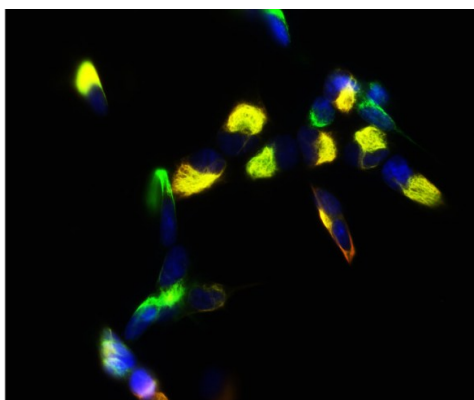
Form	Liquid
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NES
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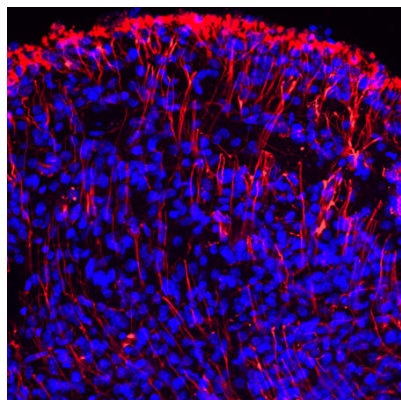
Gene Full Name	nestin
Background	This gene encodes a member of the intermediate filament protein family and is expressed primarily in nerve cells.
Function	Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play 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.
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Controls and Markers antibody; Developmental Biology antibody; Neuroscience antibody; NSC antibody; Neural Stem Cell Marker antibody; NSC and Neuron Marker antibody; Neuron Development Study antibody
Calculated Mw	177 kDa
PTM	Acetylation, Isopeptide bond, Phosphoprotein, Ubl conjugation
Cellular Localization	Intermediate filament

Images



ARG10752 anti-Nestin antibody ICC/IF image

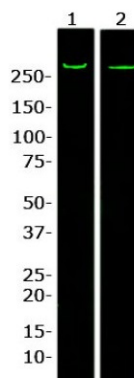
Immunocytochemistry: SH-SY5Y neuroblastoma cells were stained with ARG10752 anti-Nestin antibody at 1:2000 (green) and co-stained with an antibody against vimentin at 1:2000 (red). Vimentin is main partner of nestin forming heterodimers and further polymerizing to form intermediate filaments. Co-localization of vimentin and nestin in cells was shown in yellow. Blue is DAPI staining of DNA.



ARG10752 anti-Nestin antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat embryonic (E18) brain stained with ARG10752 anti-Nestin antibody (red) at 1:2000 dilution. Hoechst (blue) for nuclear staining.

The Nestin antibody produces strong staining of the developing radial glia and astrocytes and their processes.



ARG10752 anti-Nestin antibody WB image

Western blot: 1) C6, and 2) SH-SY5Y homogenate stained with ARG10752 anti-Nestin antibody at 1:1000 dilution.

ARG10752 anti-Nestin antibody WB image

Western blot: Rat brain (embryonic day 18), Rat cortical neuron-glia cell, C6 and SH-SY5Y cell lysates stained with ARG10752 anti-Nestin antibody (green) at 1:5000 dilution.

