

# Nestin Antibody

Rabbit mAb

Catalog # AP90658

## Product Information

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<b>Application</b>	IHC, IF, ICC, IHF
<b>Primary Accession</b>	<a href="#">P48681</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	NES; Nestin; Nbla00170; ESTM 46; NEST;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	177439

## Additional Information

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<b>Dilution</b>	IHC 1:50~1:200 ICC/IF 1:50~1:200
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Nestin
<b>Description</b>	May help to regulate cell structure and intracellular processes required for neural cell division and migration. Upon maturation of the brain, nestin expression is quickly down-regulated and replaced by expression of the neurofilament proteins. Because nestin is expressed in both mature and precursor neuronal and glial cells, as well as in the developing brain and in the brain and spinal cord following damage, nestin is widely accepted as a marker of neural stem/progenitor cells.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

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<b>Name</b>	NES
<b>Function</b>	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).
<b>Tissue Location</b>	CNS stem cells.

## Images

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Image not found : 202311/AP90658-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human kidney, using Nestin Antibody.

Image not found : 202311/AP90658-IF.jpg

Immunofluorescent analysis of PC12 cells, using Nestin Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.