

Nestin Antibody
Rabbit mAb
Catalog # AP90658**Specification**

Nestin Antibody - Product Information

Application	IHC, ICC
Primary Accession	P48681
Clonality	Monoclonal
Other Names	
NES; Nestin; Nbla00170; ESTM 46; NEST;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	177439 Da

Nestin Antibody - Additional Information

Dilution	IHC~~1:100~500 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Nestin
Description	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.
Storage Condition and Buffer	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.

Nestin Antibody - Protein Information**Name** NES**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 (By similarity).

Tissue Location

CNS stem cells.

Nestin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Nestin Antibody - Images