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Nestin Antibody

Rabbit mAb
Catalog # AP90658

Product Information

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

Additional Information

Dilution	IHC 1:50~1:200 ICC/IF 1:50~1:200
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.

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.

Images

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.

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