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Nestin Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2020b

Specification

Nestin Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P48681

Nestin Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 10763

Other Names
Nestin, NES

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2020b was selected from the C-term region of human Nestin . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Nestin Antibody (C-term) Blocking Peptide - 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 (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

Nestin Antibody (C-term) Blocking Peptide - Images

Nestin Antibody (C-term) Blocking Peptide - Background

Nestin is a class VI intermediate filament protein expressed predominantly in stem cells of the neural tube but absent from virtually all differentiated CNS cells. In the CNS, nestin is downregulated upon differentiation and replaced by neurofilaments. Transient expression of nestin has been postulated as a key step committing cells to the neural differentiation pathway. Nestin expression has also been observed in pancreatic hematopoietic stem cell populations.

Nestin Antibody (C-term) Blocking Peptide - References

Yaworsky, P.J., et al., Dev. Biol. 205(2):309-321 (1999).Dahlstrand, J., et al., J. Cell. Sci. 103 (Pt 2), 589-597 (1992).