

Nestin Antibody (clone 10C2)
Mouse Monoclonal Antibody
Catalog # ALS16519

Specification

Nestin Antibody (clone 10C2) - Product Information

Application	IHC, ICC, WB
Primary Accession	P48681
Other Accession	10763
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	177439

Nestin Antibody (clone 10C2) - Additional Information

Gene ID 10763

Other Names

NES, Nestin, Nbla00170

Target/Specificity

Reacts exclusively with the human nestin protein. No cross-reactivity to rodent nestin.

Reconstitution & Storage

PBS containing 0.09% sodium azide. Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

Nestin Antibody (clone 10C2) is for research use only and not for use in diagnostic or therapeutic procedures.

Nestin Antibody (clone 10C2) - 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

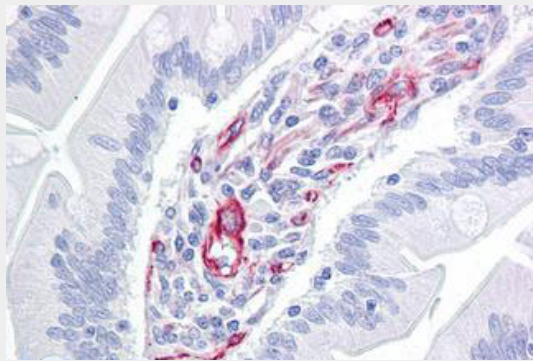
CNS stem cells.

Nestin Antibody (clone 10C2) - Protocols

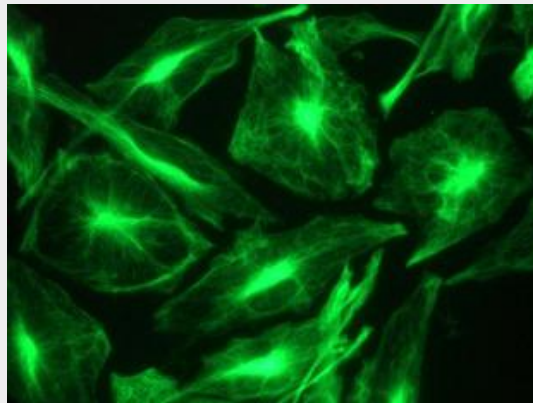
Provided below are standard protocols that you may find useful for product applications.

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

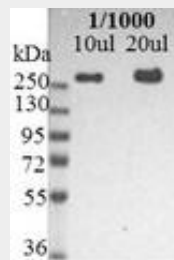
Nestin Antibody (clone 10C2) - Images



Anti-Nestin antibody IHC of human small intestine.



Immunostaining of intracellular nestin filaments in U251 cells



Immunoblotting of U251-cell lysate showing reactivity with nestin

Nestin Antibody (clone 10C2) - Background

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Nestin Antibody (clone 10C2) - References

Dahlstrand J., et al. J. Cell Sci. 103:589-597(1992).
Gregory S.G., et al. Nature 441:315-321(2006).
Yaworsky P.J., et al. Dev. Biol. 205:309-321(1999).
Ohira M., et al. Cancer Lett. 197:63-68(2003).
Olsen J.V., et al. Cell 127:635-648(2006).