

**Nestin Antibody (clone 10C2)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS15204**

**Specification**

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**Nestin Antibody (clone 10C2) - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P48681</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Calculated MW	<b>177kDa KDa</b>

**Nestin Antibody (clone 10C2) - Additional Information**

**Gene ID** 10763

**Other Names**

Nestin, NES

**Reconstitution & Storage**

Store at 4°C, avoid repeated 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.

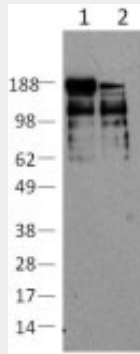
**Nestin Antibody (clone 10C2) - Protocols**

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

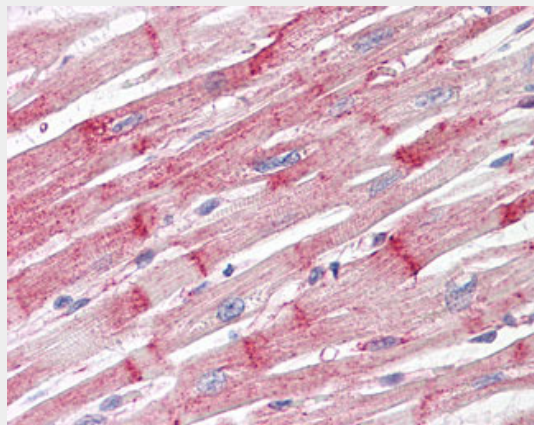
- [Western Blot](#)
- [Blocking Peptides](#)

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

### **Nestin Antibody (clone 10C2) - Images**



U251 cell lysates prepared under non-reducing (lane 1) or reducing (lane 2) conditions were...



Anti-Nestin antibody IHC of human heart.

### **Nestin Antibody (clone 10C2) - Background**

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).

### **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).