

## Nestin

**Cat.No. 312 111; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)**

### Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized. For reconstitution add 100 µl H <sub>2</sub> O to get a 1mg/ml solution of antibody in TRIS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) <b>IP:</b> yes <b>ICC:</b> 1 : 500 <b>IHC:</b> yes <b>IHC-P/FFPE:</b> not tested yet <b>ELISA:</b> yes
Clone	JP39
Subtype	IgG1 (κ light chain)
Immunogen	Recombinant protein corresponding to AA 1 to 1618 from human Nestin (UniProt Id: P48681)
Epitop	Epitop: AA 1 to 1618 from human Nestin (UniProt Id: P48681)
Reactivity	Reacts with: human (P48681). Other species not tested yet.
Specificity	Specific for human nestin.
Remarks	Differences between clone JP 63 and clone JP39 in application or specificity not determined yet.

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

**Nestin** is expressed in early embryonic neuroepithelial stem cells during development of the CNS. The protein is downregulated and replaced by other tissue specific intermediate filaments during differentiation. Antibodies against this protein can be employed as predominant markers for stem and progenitor cells in the mammalian CNS.

Nestin is also a useful marker-protein for brain tumors of both glial and neuronal lineage.

### Selected General References

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