

## Nestin Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50298

Clone# BP6275

**Predicted Molecular Wt:** 177kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** P48681

### Background:

Nestin is an intermediate filament family member protein that is structurally related to the neurofilament proteins. It is highly expressed in the developing brain, where it may help to regulate cell structure and intracellular processes required for neural cell division and migration.

Research studies have shown that expression of nestin is also found in cells from various nervous system tumors, including gliomas, neuroblastomas, astrocytomas, and it is generally accepted as a marker for neural cancer stem cells.

Nestin expression is significantly increased in melanoma and correlated with more advanced stages of the disease.

### Subcellular location:

Cytoplasm

### Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Synthetic peptide. This information is proprietary to Biolynx.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage Conditions:

-25°C to -18°C

### Shipment Instructions:

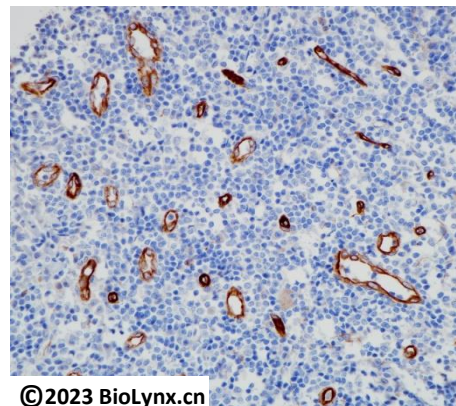
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

### Recommended Dilution:

IHC-P: 1:100-1:200

### Background References:

- Giliarov, A.V. (2007) Morfologija 131, 85-90.
- Giliarov, A.V. (2008) Neurosci Behav Physiol 38, 165-9.



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil labelling Nestin with BP6275.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.