

Code No. 18741

**Anti-Human  
Nestin (N1602) Rabbit IgG Affinity Purify**

Volume : 100 µg

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**Introduction** : Nestin is one of the intermediate filaments abundantly produced in the developing central nervous system and sometimes in the embryonic stage. Nestin is also reportedly detected in gliomas/glioblastomas. Thus, the antibody against nestin can be widely used as a marker for proliferating neural progenitor cells in the nervous system. Human Nestin protein consists of 1856 amino acids and shows about 240 kDa by western blotting.

**Antigen** : Synthetic peptide of the C terminal part of Human Nestin (KFTQREGDRESWSSGED)

**Purification** : Purified with protein A

**Form** : Lyophilized product from 1 % BSA in PBS containing 0.05 % NaN<sub>3</sub>

**How to use** : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues without pre-treatment by several techniques such as Avidin Biotin Complex (ABC) Method. The optimal concentration is about 5 µg/mL, however, the concentration should be optimized by each laboratory.  
: This antibody can be used for western blotting in concentration of 1 - 5 µg /mL.

**Specificity** : Cross reacts with mouse and rat, confirmed by western blotting.

**Reference** : 1. Sugawara K, Kurihara H., Negichi M., Saito N., Nakazato Y., Sasaki T., and Takeuchi T. Nestin as a marker for proliferative endothelium in gliomas. *Lab. Invest.* 82 (3), 345-351 (2002)

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*For research use only, not for use in diagnostic procedures.*