

Code No. 18741

**Anti-Human
Nestin (N1602) Rabbit IgG Affinity Purify**Volume : 100 µg

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 % NaN₃

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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