

DATASHEET

Version: 2016-08-17

Nestin Antibody, pAb, Rabbit

Cat. No.: A01413-40

Size: 40 µg

Synonyms: Rabbit Anti-Nestin pAb;

Description:

Nestin is a class IV intermediate filament protein which is abundantly expressed in neuroepithelial stem cells early in embryogenesis. It contains a short head domain and a long tail domain. Upon differentiation, nestin is down regulated and is replaced by other tissue specific intermediate filaments. It serves as a predominant marker for stem/progenitor cells, glioma cells, and tumor endothelial cells in the mammalian CNS.

GenScript **Rabbit Anti-Nestin Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide from within residues 1280-1330 of human Nestin (Swiss Prot: P48681).

Immunogen: KLH-coupled synthetic peptide from within residues 1280-1330 of human Nestin (Swiss Prot: P48681).

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

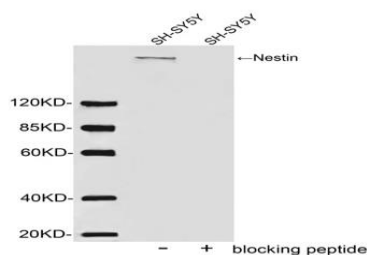
Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-Nestin Polyclonal

Example



Antibody detects endogenous levels of human Nestin. It is predicted to react with mouse and rat according to sequence homology.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.5-1 µg/ml

Other Applications: user-optimized

Species Reactivity: Human. This product has not been tested with other species yet.

Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Western blot analysis of cell lysates using 1 µg/ml Rabbit Anti-Nestin Polyclonal Antibody (GenScript, A01413)
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.
Predicted Size: 220 kD
Observed Size: 220 kD