

Datasheet for ABIN6939087
anti-Nestin antibody (AA 698-844)[Go to Product page](#)

5 Images

Overview

Quantity:	100 µg
Target:	Nestin (NES)
Binding Specificity:	AA 698-844
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Nestin antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant human NES protein fragment around aa 698-844 (exact sequence is proprietary)
Clone:	NES-2911
Isotype:	IgG
Specificity:	Nestin is a major intermediate filament (IF) protein of embryonic central nervous system progenitor cells. It is also a component of the dynamic IF network during muscle development, where it polymerizes with Desmin and Vimentin. Nestin co-assembles with Vimentin or -internexin and forms heterodimer coiled-coil molecules which then further assemble into 10 nm IFs. Deletion of the IF consensus rod domain in nestin alters nestin localization in CNS precursor cells and radial glial cells in vivo. Nestin is a marker for neuroepithelial stem cells, glioma cells and tumor endothelial cells during rapid growth. During axon elongation of differentiation neurons, nestin localizes to the growth cones and may play a role in growth cone

Product Details

guidance. In the rat adrenal gland, nestin is expressed by the zona fasciculata and the zona reticularis. Nestin is also expressed by dermatomal cells and by myoblasts during the earliest stages of myogenesis.

Cross-Reactivity (Details): Human,

Purification: 200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G.

Target Details

Target: Nestin (NES)

Alternative Name: NES ([NES Products](#))

Background: ESTM 46, FLJ21841, Intermediate filament protein, Nbla00170, nes,Nestin (Cancer Stem Cell Marker)

Cellular localisation: Cytoplasm and membrane.

Molecular Weight: 190-200kDa

Gene ID: 10763, 527971

UniProt: [P48681](#)

Application Details

Application Notes: Positive Control: Human kidney, ovary, cervix, breast, colon, endometrium, cerebellum, lung, prostate, skin and human melanoma tissue. HeLa cell lysate. SH-SY5Y cells.

Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.

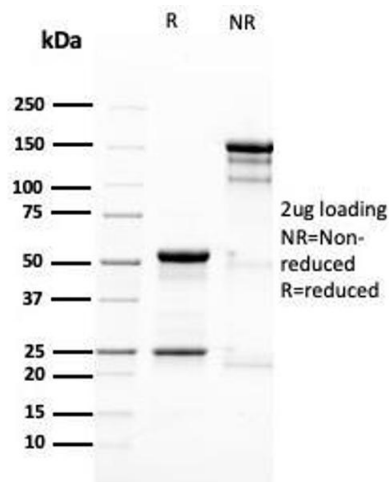
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

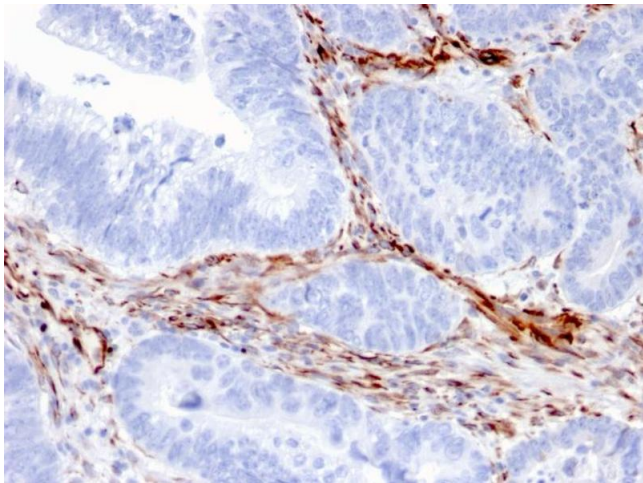
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also available WITHOUT BSA & azide at 1.0mg/ml.
Expiry Date:	24 months

Images



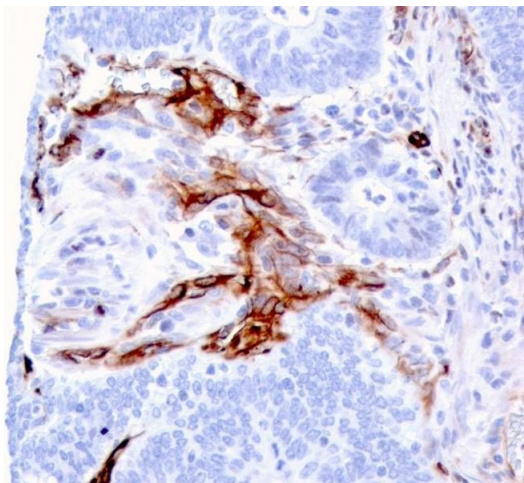
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Nestin Mouse Monoclonal Antibody (NES/2911). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Nestin Mouse Monoclonal Antibody (NES/2911).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Nestin Mouse Monoclonal Antibody (NES/2911).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939087.