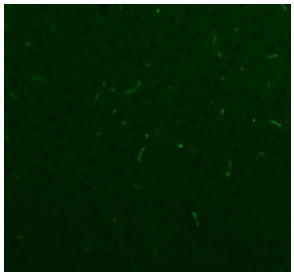
NES Antibody / Nestin [clone FBH-14] (RQ8919)

Catalog No.	Formulation	Size
RQ8919	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Recombinant RABBIT MONOCLONAL

Bulk quote request

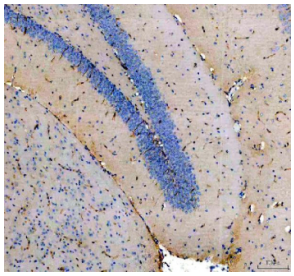
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat, Pig
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	FBH-14
Purity	Affinity chromatography
UniProt	P48681
Localization	Cytoplasm, membrane
Applications	Immunohistochemistry (FFPE): 1:50 Western blot: 1:500 Immunofluorescence: 1:50
Limitations	This NES antibody is available for research use only.



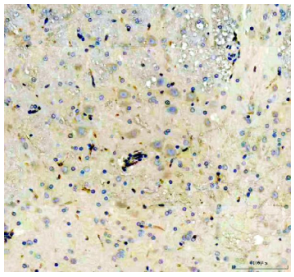
Immunofluorescent staining of FFPE rat brain tissue with NES antibody. HIER: steam section in pH8 EDTA buffer for 20 min.



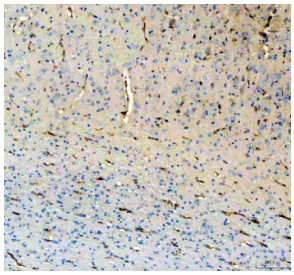
IHC staining of FFPE human glioma tissue with NES antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



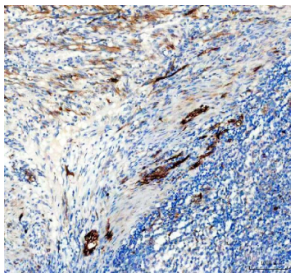
IHC staining of FFPE mouse brain tissue with NES antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



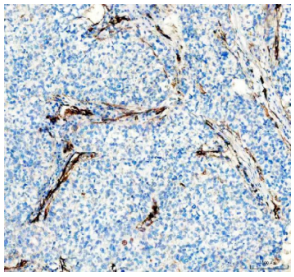
IHC staining of FFPE rat brain tissue with NES antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



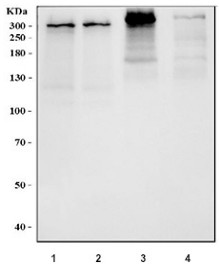
IHC staining of FFPE pig brain tissue with NES antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human diffuse large B-cell lymphoma of the intestine tissue with NES antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human non-small cell lung cancer tissue with NES antibody, HRP-secondary and DAB substrate. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human U-251, 2) human SH-SY5Y, 3) rat C6 and 4) mouse Neuro-2a cell lysate with NES antibody. Predicted molecular weight ~177 kDa but can be observed at up to 280 kDa.

Description

NES (Nestin) is an intermediate filament protein expressed in neural stem cells and progenitor cells during development. It provides structural support and contributes to cytoskeletal organization, making it a widely used marker for identifying stem and progenitor cell populations. Researchers often rely on a NES antibody for studies in developmental biology and regenerative medicine.

In addition to the nervous system, NES is expressed in other progenitor cell types and is re-expressed in certain pathological conditions, including cancer and tissue injury. Its dynamic regulation reflects cellular plasticity and proliferation. Employing a NES antibody enables the detection of stem cell populations and the study of disease-associated re-expression.

NSJ Bioreagents provides a high-quality NES antibody validated for immunohistochemistry, immunofluorescence, and western blot. Using a NES antibody ensures sensitive and reproducible detection in research focused on stem cells, neurobiology, and pathology.

Application Notes

Optimal dilution of the NES antibody should be determined by the researcher.

Immunogen

A peptide sequence specific to Nestin protein was used as the immunogen for the NES antibody.

Storage

After reconstitution, the NES antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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