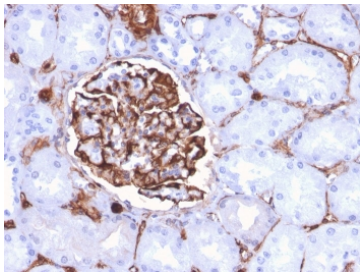
Nestin Antibody [clone NES/2911] (V7665)

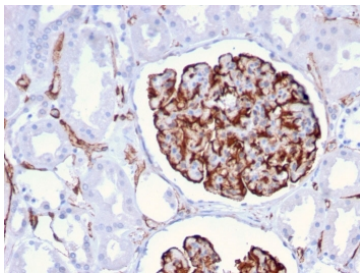
Catalog No.	Formulation	Size
V7665-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7665-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7665SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

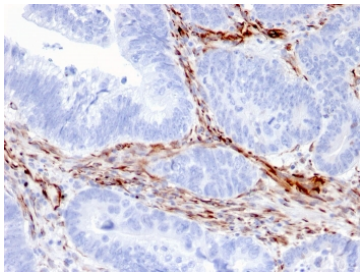
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	NES/2911
Purity	Protein G affinity chromatography
UniProt	P48681
Localization	Cytoplasm, membrane
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Nestin antibody is available for research use only.



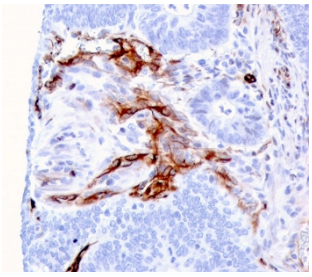
IHC staining of FFPE human kidney with Nestin antibody (clone NES/2911). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



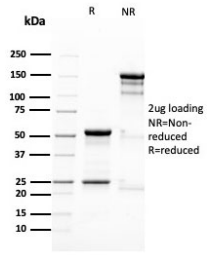
IHC staining of FFPE human kidney with Nestin antibody (clone NES/2911). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



IHC staining of FFPE human colon carcinoma with Nestin antibody (clone NES/2911). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



IHC staining of FFPE human colon carcinoma with Nestin antibody (clone NES/2911). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Nestin antibody (clone NES/2911) as confirmation of integrity and purity.

Description

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 nml 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 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.

Application Notes

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

Immunogen

A recombinant human partial protein (amino acids 698-844) was used as the immunogen for the Nestin antibody.

Storage

Store the Nestin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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