

Nestin Rabbit mAb

Catalog No: #49032

Package Size: #49032-1 50ul #49032-2 100ul

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Description

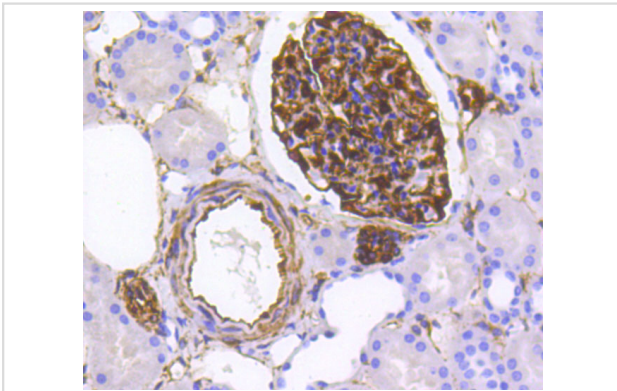
Product Name	Nestin Rabbit mAb
Clone No.	SN06-27
Purification	ProA affinity purified
Applications	ICC/IF, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	ESTM 46 antibody FLJ 21841 antibody FLJ21841 antibody Intermediate filament protein antibody Nbla00170 antibody nes antibody NEST_HUMAN antibody Nestin antibody
Accession No.	Swiss-Prot#:P48681
Uniprot	P48681
GeneID	10763;
Concentration	1 mg/ml
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

IHC: 1:50-1:200

ICC: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Nestin antibody. Counter stained with hematoxylin.

Background

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 α -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 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.

Note: This product is for in vitro research use only