



Rabbit Anti-Human Nestin monoclonal antibody, clone TO17-38 (DCABH-6339)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Nestin
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TO17-38
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	ICC/IF, IHC
Cellular Localization	Cytoplasm, Intermediate filament.
Positive Control	Human kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

BACKGROUND

Introduction

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.

Keywords

ESTM 46;FLJ 21841;FLJ21841;Intermediate filament protein;Nbla00170;nes;NEST_HUMAN;Nestin antibody

GENE INFORMATION

Entrez Gene ID

[10763](#)

UniProt ID

[P48681](#)
