



Mouse Anti-Rat Nestin monoclonal antibody, clone 418612 (CABT-L4260)

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

PRODUCT INFORMATION

Specificity	Detects mouse and rat Nestin in Western blots.
Immunogen	E. coli-derived recombinant rat Nestin. Met544-Glu820
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Mouse, Rat
Clone	418612
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	WB, ICC
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Format	Lyophilized
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing.
Ship	Wet ice

BACKGROUND

Introduction Nestin is a class VI intermediate filament protein that is expressed in stem cells of the central nervous system (CNS) but not in mature CNS cells. Nestin expression is used extensively as a marker for CNS stem cells in the developing nervous system and in vitro cultured cells. Its transient expression is a critical step in both the neural differentiation pathway and that of CNS glia. Nestin is also expressed in non-neural stem cell populations, such as pancreatic islet progenitors and hematopoietic progenitors. Full-length human Nestin shares 51% amino acid sequence identity to mouse Nestin.

Keywords NES;nestin;paranemin;transitin;FLJ21841;OTTHUMP00000032198

GENE INFORMATION

Official Symbol Nestin