

Cat. No:	MAB-10430
Conjugate:	Unconjugated
Size:	100 ug
Clone:	10C2
Concentration:	1mg/ml
Host:	Ms
Isotype:	IgG1
Immunogen:	A 150-amino-acid fragment from the cloned human Nestin conjugated to GST
Reactivity:	Hu
Applications:	IHC(P): 1:100-1:500, WB: 1:1000-1:5000, IP, ICC, FC, ELISA: To be determined by end user
Purification:	Aff. Pur.
Background:	Nestin is a Class VI intermediate filament expressed in the developing central nervous system (CNS) in early embryonic neuroepithelial stem cells. This protein has been widely used as a predominant marker for stem / progenitor cells, glioma cells, and tumor endothelial cells in the mammalian CNS. Furthermore, it is a superior angiogenic marker to evaluate neovascularity of endothelial cells in tumor. This highly specific antibody to human Nestin can aid in characterizing progenitor cells differentiating into distinct lineages, in enhancing the therapeutic potential of human neural stem/progenitor cells in the treatment of CNS diseases or injury, and in identifying neuroepithelial tumor cells.
Form:	Liquid
Buffer:	PBS + 0.1% sodium azide;
Storage:	Store at +4°C for one month, or in small aliquots at -20°C for longer term, Avoid freeze and thaw cycles.



IHC (on Paraffin Embedded Tissues)
Dilution: 1:25 Hippocampal cells, nestin-positive postnatal human brain autopsy of 28 days. Images provided for courtesy: by Dott.ssa Beatrice Paradiso (1,2), Professor Enrico Grandi (1), Michele Simonato (2). (1) Istituto di Anatomia Patologica Azienda Ospedaliera Universitaria S'Anna, Università di Ferrara. (2) Centro di Neuroscienze, Sezione di Farmacologia Università di Ferrara.

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