

34-1074: Monoclonal Antibody to Nestin(Clone: 4D11)

Clonality :	Monoclonal
Clone Name :	4D11
Application :	WB
Reactivity :	Human
Gene :	NES
Gene ID :	10763
Uniprot ID :	P48681
Format :	Ascites
Isotype :	Mouse, IgG1
Immunogen Information :	Amino acids 317-630 of human protein

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of ascites fluid.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:500 IF/ICC: 1:500.

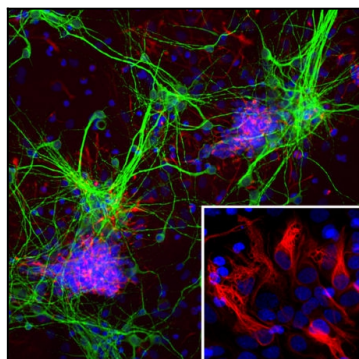


Figure-1: Immunofluorescent analysis of cortical neuron-glia cell culture from E20 rat stained with mouse mAb to nestin,(34-1074), dilution 1:500 in red, and costained with chicken pAb to MAP2, (34-1064), dilution 1:5,000, in green. The blue is Hoechst staining of nuclear DNA. The nestin antibody labels developing astrocytes and neuronal stem cells in a clearly filamentous fashion, while the MAP2 antibody stains dendrites and perikarya of mature neurons.

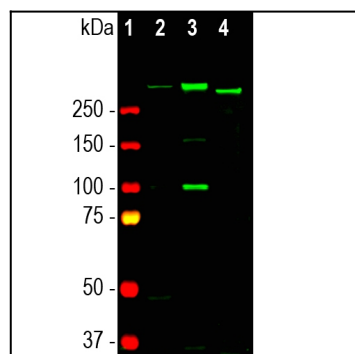


Figure-2: Western blot analysis analysis of tissue and cell lysates with mouse mAb against nestin,(34-1074), dilution 1:500 in green: [1] protein standard, [2] embryonic E18 rat brain, [3] C6 rat glioma cells, and [4] SH-SY5Y human neuroblastoma cells.