

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

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

#### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of ascites fluid.
<b>Storage condition :</b>	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.

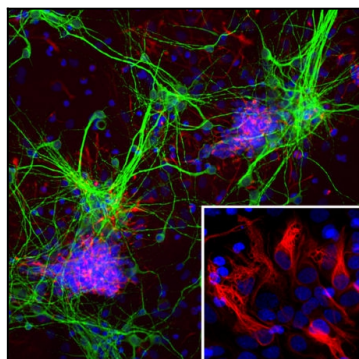


Figure-1: Immunofluorescent analysis of cortical neuron-glia cell culture from E20 rat stained with mouse mAb to nestin,(34-1074), dilution 1:500 in red, and costained with chicken pAb to MAP2, (34-1064), dilution 1:5,000, in green. The blue is Hoechst staining of nuclear DNA. The nestin antibody labels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

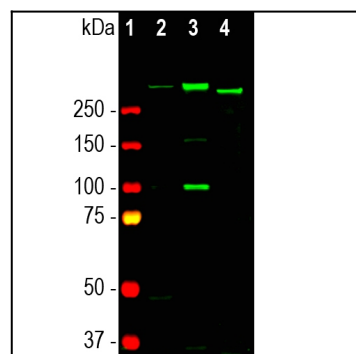


Figure-2: Western blot analysis analysis of tissue and cell lysates with mouse mAb against nestin,(34-1074), dilution 1:500 in green: [1] protein standard, [2] embryonic E18 rat brain, [3] C6 rat glioma cells, and [4] SH-SY5Y human neuroblastoma cells.